

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031319\  
 Data File : BM019156.D  
 Acq On : 13 Mar 2019 21:19  
 Operator : JU/SJ  
 Sample : K1861-05MSD  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 14 06:57:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.66  | 152  | 208298   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.45 | 136  | 922818   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.31 | 164  | 589540   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.07 | 188  | 1334504  | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.27 | 240  | 1299861  | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 23.50 | 264  | 1102860  | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.26  | 112 | 2037452 | 158.41 | ng | 0.00 |
| 7) Phenol-d6             | 6.85  | 99  | 3063779 | 162.85 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 8.83  | 82  | 1867317 | 95.65  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 15.82 | 330 | 1387970 | 159.46 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 12.93 | 172 | 4037081 | 89.07  | ng | 0.00 |
| 79) Terphenyl-d14        | 19.71 | 244 | 6431928 | 98.23  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |        |    | Qvalue |
|--------------------------------|-------|-----|---------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.22  | 88  | 206398  | 36.073 | ng | 98     |
| 3) Pyridine                    | 3.62  | 79  | 432774  | 27.801 | ng | 100    |
| 4) n-Nitrosodimethylamine      | 3.54  | 42  | 198786  | 41.076 | ng | 95     |
| 6) Aniline                     | 7.00  | 93  | 608879  | 25.068 | ng | 98     |
| 8) 2-Chlorophenol              | 7.23  | 128 | 722678  | 46.756 | ng | 98     |
| 9) Benzaldehyde                | 6.82  | 77  | 347234  | 29.343 | ng | 98     |
| 10) Phenol                     | 6.87  | 94  | 1154012 | 56.916 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.10  | 93  | 659585  | 42.632 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.55  | 146 | 670329  | 40.982 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 7.69  | 146 | 691939  | 41.493 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.00  | 146 | 677234  | 41.742 | ng | 99     |
| 15) Benzyl Alcohol             | 7.92  | 79  | 735679  | 47.248 | ng | 100    |
| 16) 2,2'-oxybis(1-Chloropropan | 8.19  | 45  | 658683  | 41.695 | ng | 98     |
| 17) 2-Methylphenol             | 8.11  | 107 | 658781  | 49.861 | ng | 99     |
| 18) Hexachloroethane           | 8.72  | 117 | 254725  | 41.108 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.47  | 70  | 676279  | 43.816 | ng | 99     |
| 20) 3+4-Methylphenols          | 8.44  | 107 | 909513  | 50.713 | ng | 98     |
| 22) Acetophenone               | 8.49  | 105 | 1097203 | 43.023 | ng | # 99   |
| 24) Nitrobenzene               | 8.87  | 77  | 926407  | 45.628 | ng | 99     |
| 25) Isophorone                 | 9.39  | 82  | 1739533 | 46.697 | ng | 100    |
| 26) 2-Nitrophenol              | 9.57  | 139 | 402298  | 47.802 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 9.63  | 122 | 725605  | 57.995 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 9.87  | 93  | 1022240 | 46.345 | ng | 100    |
| 29) 2,4-Dichlorophenol         | 10.10 | 162 | 747112  | 53.917 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.30 | 180 | 701862  | 44.920 | ng | 100    |
| 31) Naphthalene                | 10.49 | 128 | 2188910 | 45.003 | ng | 99     |
| 32) Benzoic acid               | 9.80  | 122 | 338659  | 31.961 | ng | 98     |
| 33) 4-Chloroaniline            | 10.63 | 127 | 252886  | 12.683 | ng | 99     |
| 34) Hexachlorobutadiene        | 10.76 | 225 | 377450  | 42.096 | ng | 99     |
| 35) Caprolactam                | 11.46 | 113 | 119937  | 24.298 | ng | 100    |
| 36) 4-Chloro-3-methylphenol    | 11.75 | 107 | 893965  | 52.286 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.12 | 142 | 1688972 | 47.785 | ng | 99     |
| 38) 1-Methylnaphthalene        | 12.33 | 142 | 1621979 | 46.557 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.48 | 216 | 805324  | 43.184 | ng | 99     |

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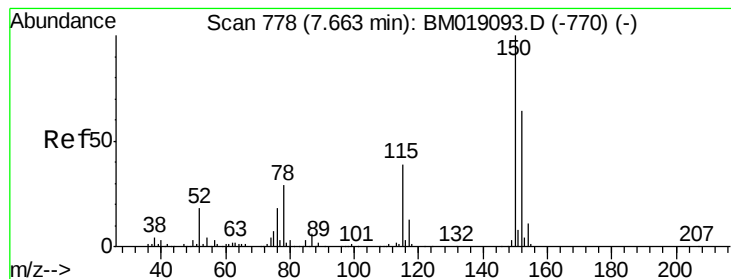
Instrument :  
 BNA\_M  
 ClientSampleId :

Quant Time: Mar 14 06:57:11 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Mar 11 17:30:46 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units | Dev(Min) |
|--------------------------------|-------|------|----------|---------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.45 | 237  | 854125   | 101.114 | ng    | 98       |
| 43) 2,4,6-Trichlorophenol      | 12.74 | 196  | 619979   | 51.444  | ng    | 99       |
| 44) 2,4,5-Trichlorophenol      | 12.81 | 196  | 658942   | 51.132  | ng    | 99       |
| 46) 1,1'-Biphenyl              | 13.14 | 154  | 2240385  | 43.515  | ng    | 100      |
| 47) 2-Chloronaphthalene        | 13.18 | 162  | 1736775  | 45.193  | ng    | 100      |
| 48) 2-Nitroaniline             | 13.41 | 65   | 632516   | 49.076  | ng    | 98       |
| 49) Acenaphthylene             | 14.03 | 152  | 2901754  | 44.656  | ng    | 100      |
| 50) Dimethylphthalate          | 13.79 | 163  | 2638480  | 52.317  | ng    | 99       |
| 51) 2,6-Dinitrotoluene         | 13.92 | 165  | 519236   | 47.627  | ng    | 95       |
| 52) Acenaphthene               | 14.38 | 154  | 1672157  | 44.784  | ng    | 99       |
| 53) 3-Nitroaniline             | 14.25 | 138  | 313312   | 27.135  | ng    | 94       |
| 54) 2,4-Dinitrophenol          | 14.46 | 184  | 567801   | 89.681  | ng    | 99       |
| 55) Dibenzofuran               | 14.72 | 168  | 2762931  | 45.885  | ng    | 99       |
| 56) 4-Nitrophenol              | 14.57 | 139  | 899109   | 95.372  | ng    | 98       |
| 57) 2,4-Dinitrotoluene         | 14.70 | 165  | 746311   | 47.160  | ng    | 98       |
| 58) Fluorene                   | 15.37 | 166  | 2281341  | 45.964  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 14.95 | 232  | 601112   | 50.104  | ng    | 100      |
| 60) Diethylphthalate           | 15.15 | 149  | 2442961  | 47.829  | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.36 | 204  | 1122843  | 46.579  | ng    | 98       |
| 62) 4-Nitroaniline             | 15.42 | 138  | 516205   | 44.361  | ng    | 98       |
| 63) Azobenzene                 | 15.66 | 77   | 2570093  | 47.818  | ng    | 100      |
| 65) 4,6-Dinitro-2-methylphenol | 15.47 | 198  | 385911   | 44.130  | ng    | 97       |
| 66) n-Nitrosodiphenylamine     | 15.59 | 169  | 1996947  | 47.002  | ng    | 99       |
| 67) 4-Bromophenyl-phenylether  | 16.26 | 248  | 676344   | 45.959  | ng    | 100      |
| 68) Hexachlorobenzene          | 16.36 | 284  | 797301   | 45.571  | ng    | 99       |
| 69) Atrazine                   | 16.54 | 200  | 703400   | 49.183  | ng    | 99       |
| 70) Pentachlorophenol          | 16.72 | 266  | 1002087  | 95.065  | ng    | 99       |
| 71) Phenanthrene               | 17.11 | 178  | 3504862  | 44.808  | ng    | 99       |
| 72) Anthracene                 | 17.20 | 178  | 3622742  | 47.310  | ng    | 99       |
| 73) Carbazole                  | 17.49 | 167  | 3309072  | 45.786  | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.03 | 149  | 4263146  | 48.780  | ng    | 100      |
| 75) Fluoranthene               | 19.13 | 202  | 4012392  | 44.704  | ng    | 100      |
| 77) Benzidine                  | 19.34 | 184  | 785904   | 21.319  | ng    | 100      |
| 78) Pyrene                     | 19.50 | 202  | 4044538  | 49.178  | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.40 | 149  | 1945221  | 54.303  | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.25 | 228  | 3614471  | 44.323  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.19 | 252  | 774483   | 24.653  | ng    | 98       |
| 83) Chrysene                   | 21.31 | 228  | 3443331  | 43.646  | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.17 | 149  | 2839047  | 54.477  | ng    | 98       |
| 85) Di-n-octyl phthalate       | 22.05 | 149  | 4624440  | 52.697  | ng    | 100      |
| 86) Indeno(1,2,3-cd)pyrene     | 25.77 | 276  | 3345051  | 39.388  | ng    | 100      |
| 88) Benzo(b)fluoranthene       | 22.83 | 252  | 3223365  | 45.106  | ng    | 100      |
| 89) Benzo(k)fluoranthene       | 22.88 | 252  | 3285209  | 49.981  | ng    | 99       |
| 90) Benzo(a)pyrene             | 23.41 | 252  | 3045264  | 47.418  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene     | 25.78 | 278  | 2860405  | 46.561  | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 26.47 | 276  | 2662351  | 47.203  | ng    | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed



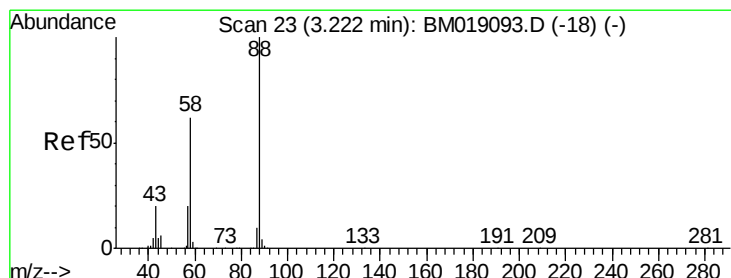
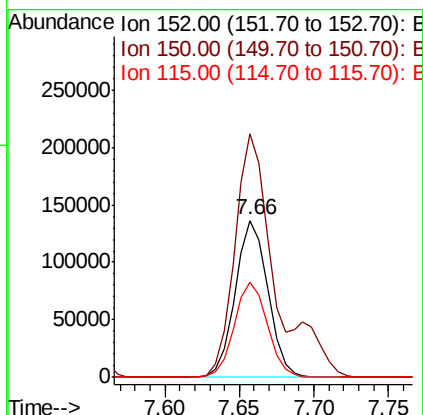
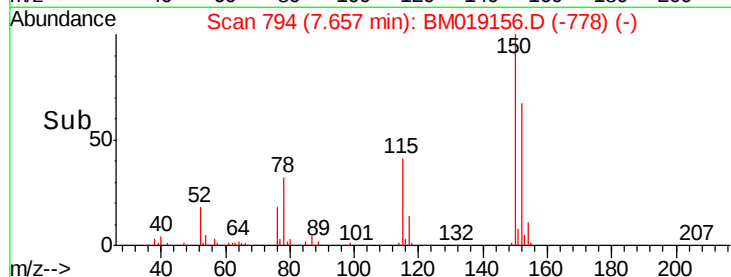
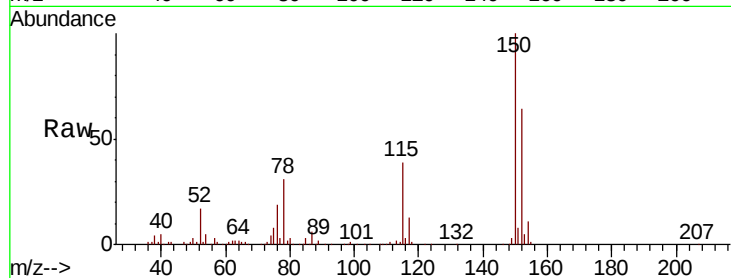


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.66 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

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BNA\_M  
ClientSampleId :

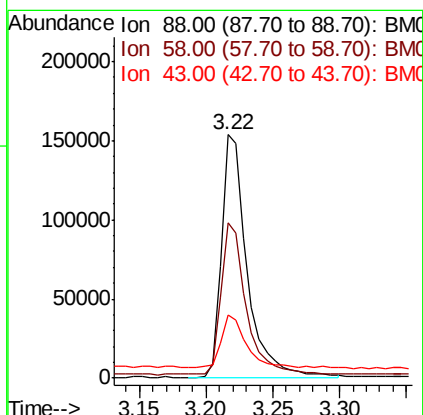
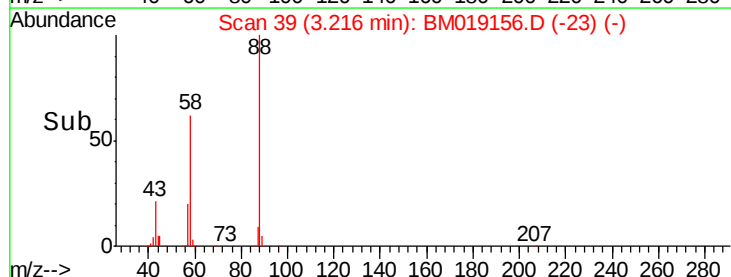
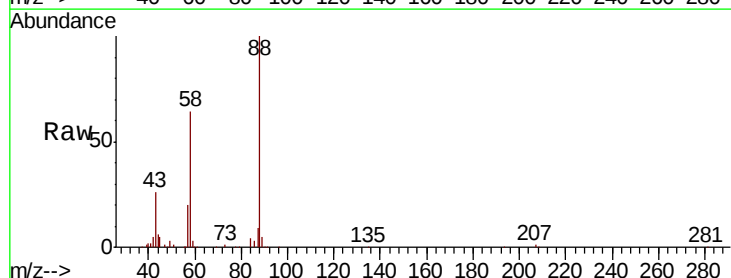
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.1 | 125.3 | 187.9 |
| 115     | 60.9  | 49.4  | 74.0  |



#2

1,4-Dioxane  
Concen: 36.073 ng  
RT: 3.22 min Scan# 39  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 60.8  | 50.0  | 75.0  |
| 43      | 21.4  | 17.0  | 25.4  |





#3

Pvridine

Concen: 27.801 ng

RT: 3.62 min Scan# 107

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

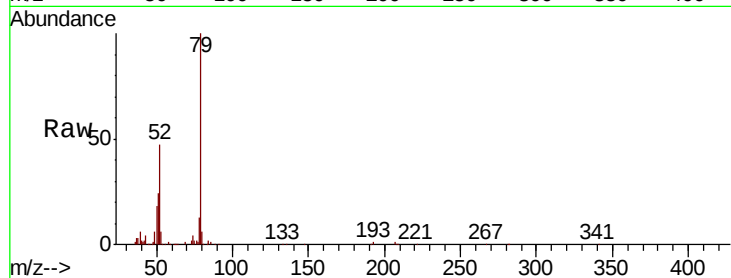
Tot Ion: 79 Resp: 432774

Ion Ratio Lower Upper

79 100

52 46.9 37.5 56.3

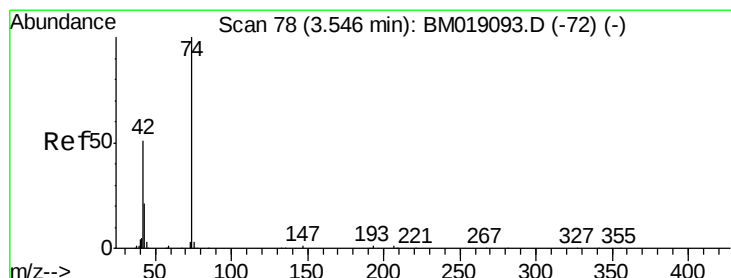
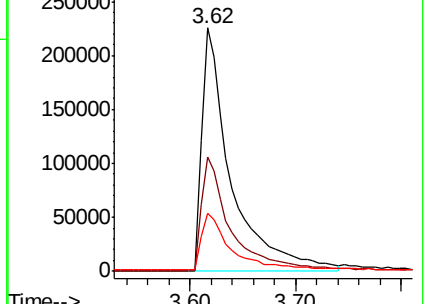
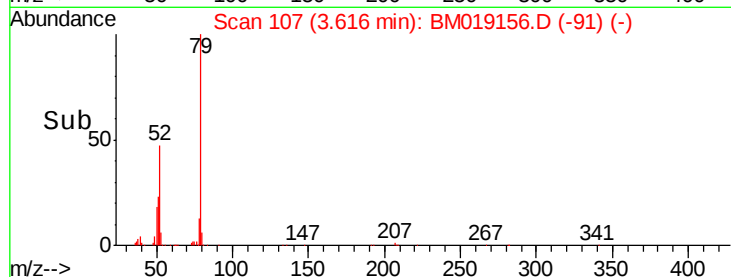
51 23.9 19.2 28.8



Abundance Ion 79.00 (78.70 to 79.70): BM019093.D (-84) (-)

Ion 52.00 (51.70 to 52.70): BM019093.D (-84) (-)

Ion 51.00 (50.70 to 51.70): BM019093.D (-84) (-)



#4

n-Nitrosodimethylamine

Concen: 41.076 ng

RT: 3.54 min Scan# 94

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

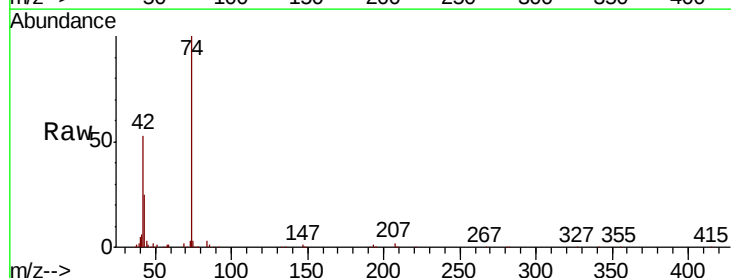
Tgt Ion: 42 Resp: 198786

Ion Ratio Lower Upper

42 100

74 188.1 156.3 234.5

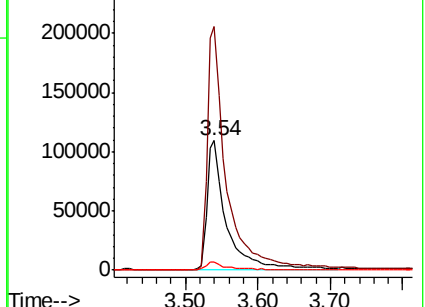
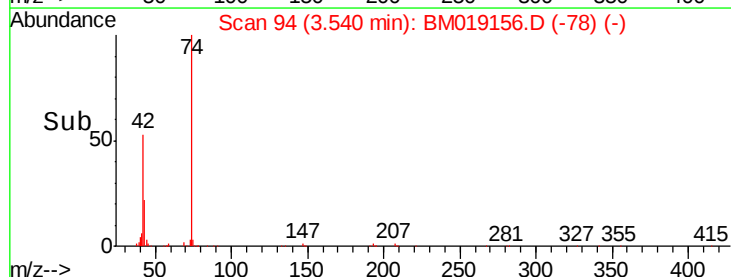
44 5.9 4.6 7.0

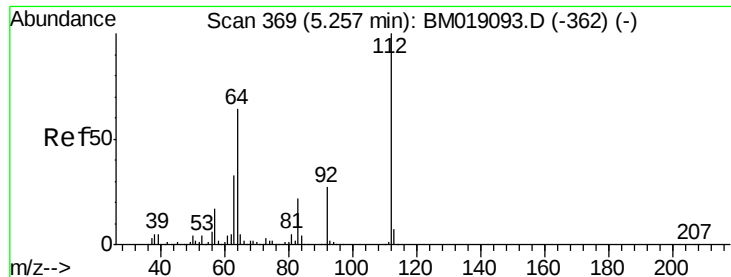


Abundance Ion 42.00 (41.70 to 42.70): BM019093.D (-72) (-)

Ion 74.00 (73.70 to 74.70): BM019093.D (-72) (-)

Ion 44.00 (43.70 to 44.70): BM019093.D (-72) (-)





#5

2-Fluorophenol

Concen: 158.408 ng

RT: 5.26 min Scan# 386

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

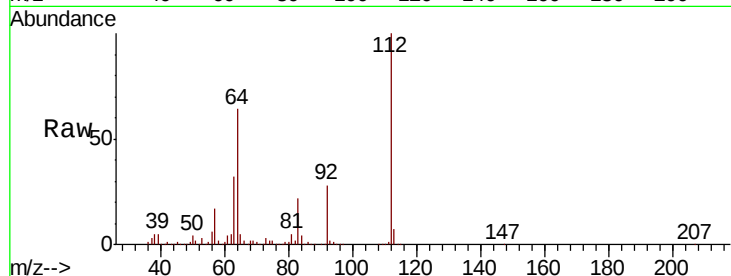
Tot Ion:112 Resp: 2037452

Ion Ratio Lower Upper

112 100

64 64.0 51.4 77.0

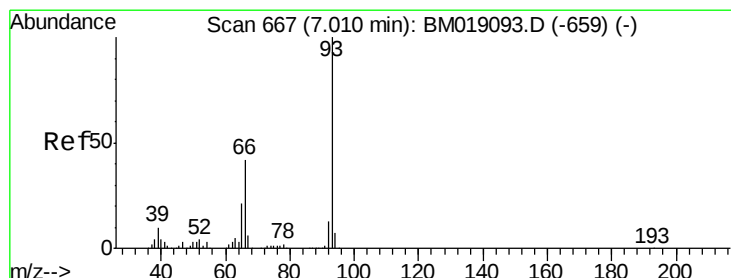
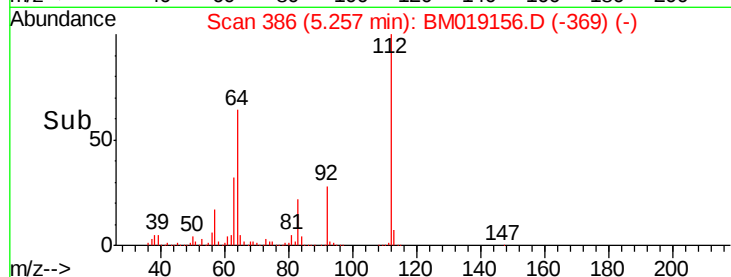
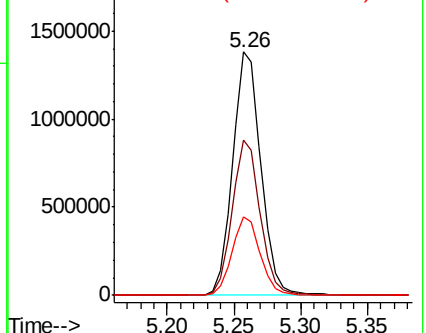
63 32.2 26.6 40.0



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#6

Aniline

Concen: 25.068 ng

RT: 7.00 min Scan# 683

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

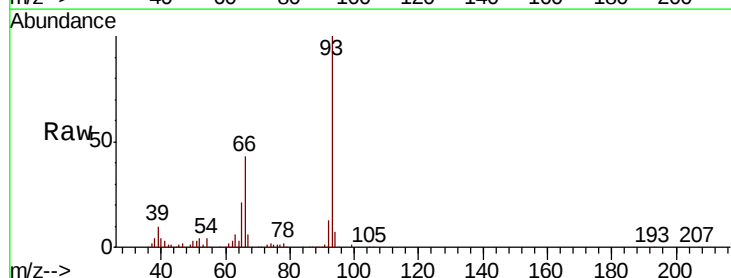
Tgt Ion: 93 Resp: 608879

Ion Ratio Lower Upper

93 100

66 43.1 33.4 50.2

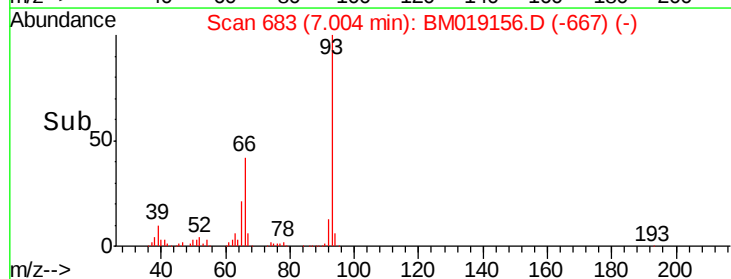
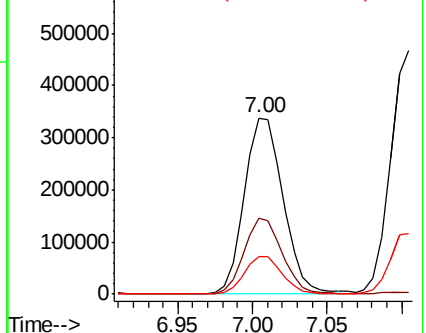
65 21.5 16.8 25.2

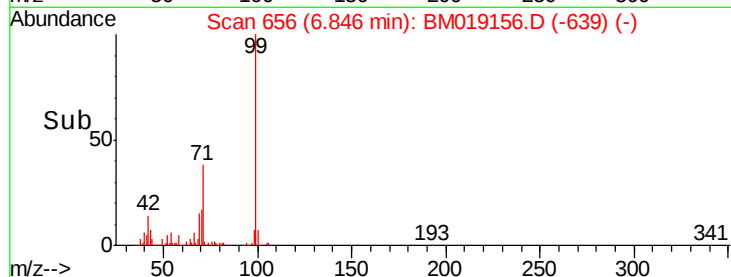
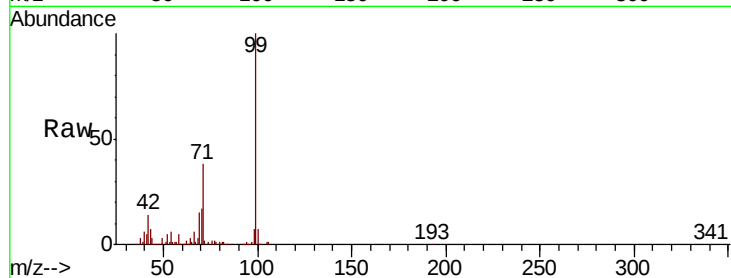
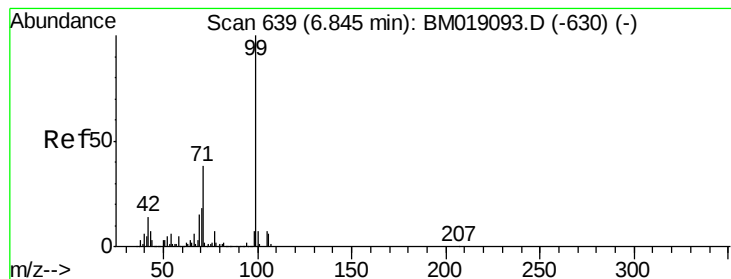


Abundance Ion 93.00 (92.70 to 93.70): BM

Ion 66.00 (65.70 to 66.70): BM

Ion 65.00 (64.70 to 65.70): BM





#7

Phenol-d6

Concen: 162.851 ng

RT: 6.85 min Scan# 656

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampled :

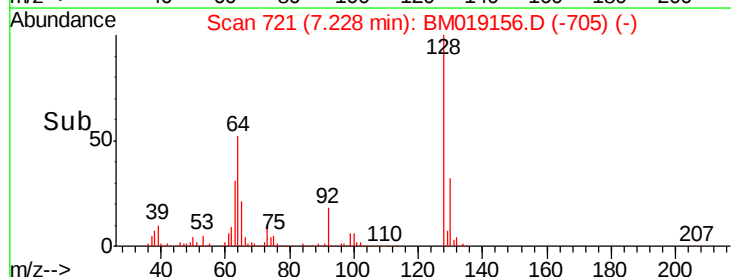
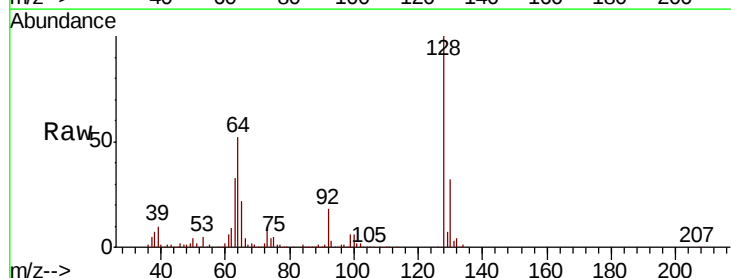
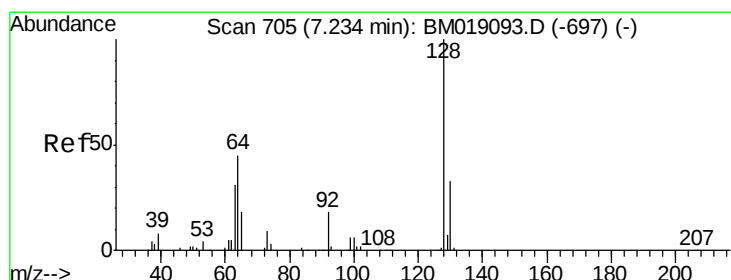
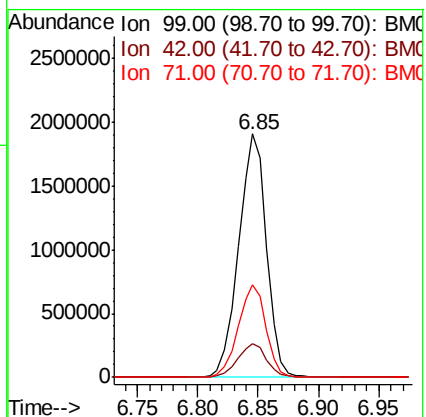
Tot Ion: 99 Resp: 3063779

Ion Ratio Lower Upper

99 100

42 13.9 10.9 16.3

71 38.2 30.3 45.5



#8

2-Chlorophenol

Concen: 46.756 ng

RT: 7.23 min Scan# 721

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

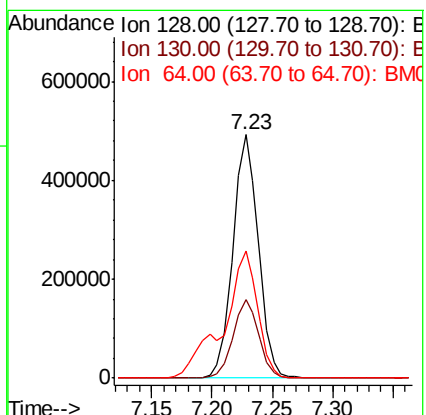
Tgt Ion: 128 Resp: 722678

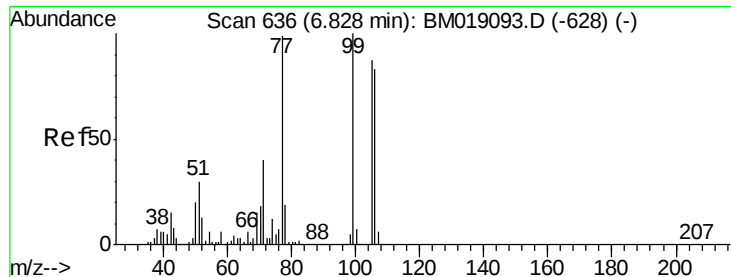
Ion Ratio Lower Upper

128 100

130 32.2 12.8 52.8

64 52.2 30.8 70.8





#9

Benzaldehyde

Concen: 29.343 ng

RT: 6.82 min Scan# 652

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampled :

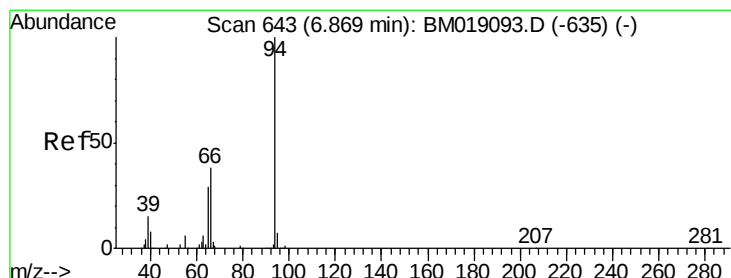
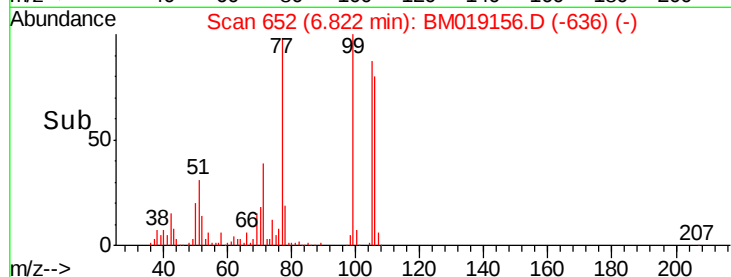
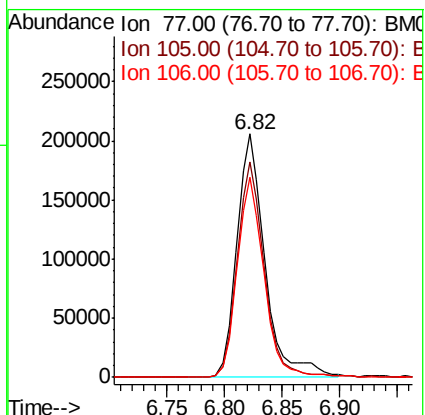
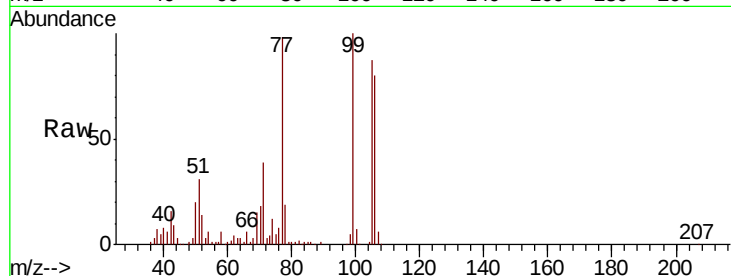
Tot Ion: 77 Resp: 347234

Ion Ratio Lower Upper

77 100

105 88.7 67.7 107.7

106 82.2 64.1 104.1



#10

Phenol

Concen: 56.916 ng

RT: 6.87 min Scan# 660

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

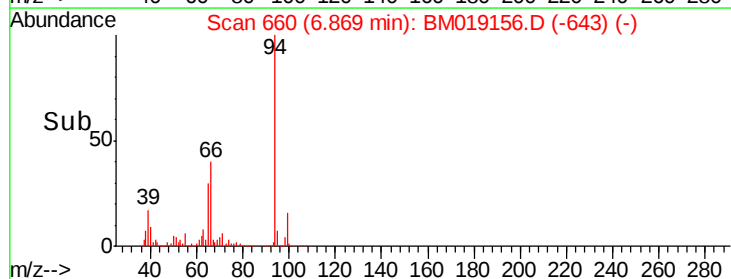
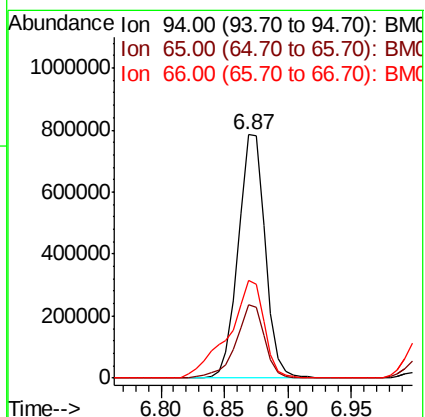
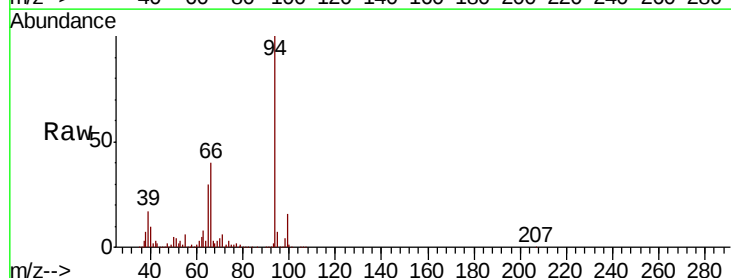
Tgt Ion: 94 Resp: 1154012

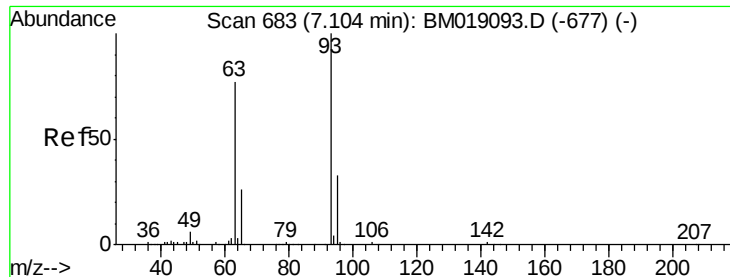
Ion Ratio Lower Upper

94 100

65 30.2 9.7 49.7

66 40.0 19.2 59.2

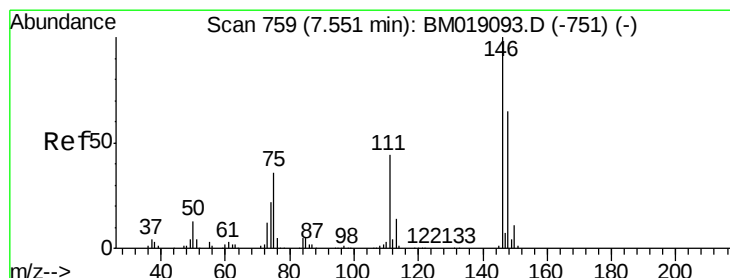
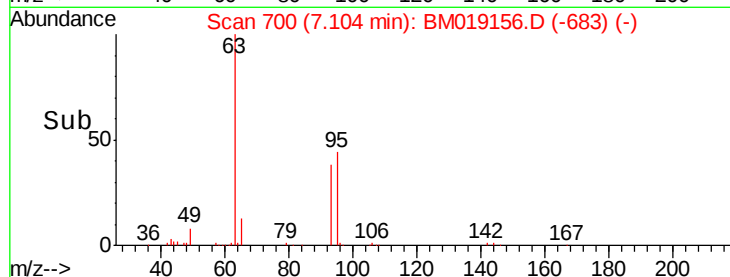
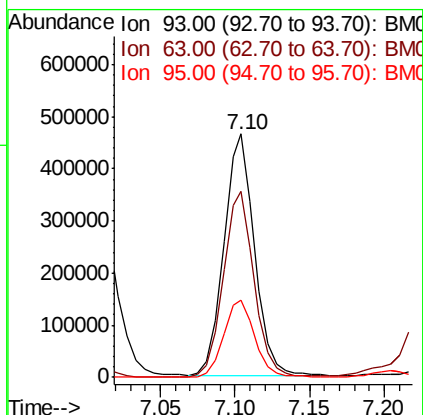
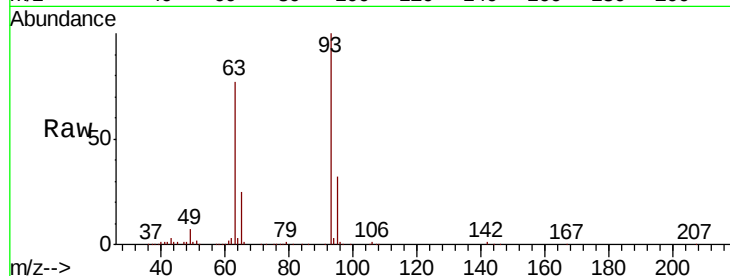




#11  
bis(2-Chloroethyl)ether  
Concen: 42.632 ng  
RT: 7.10 min Scan# 700  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

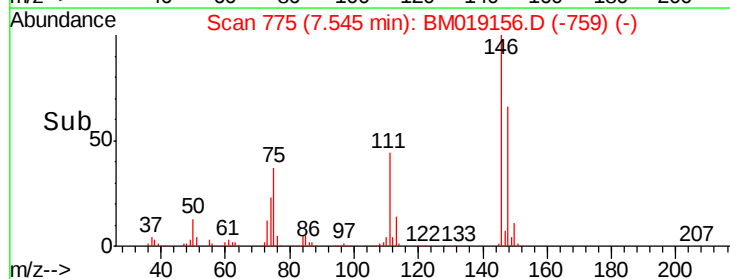
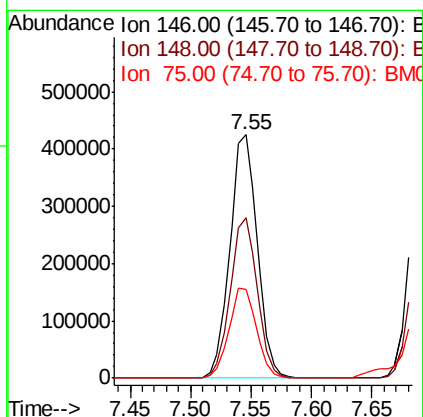
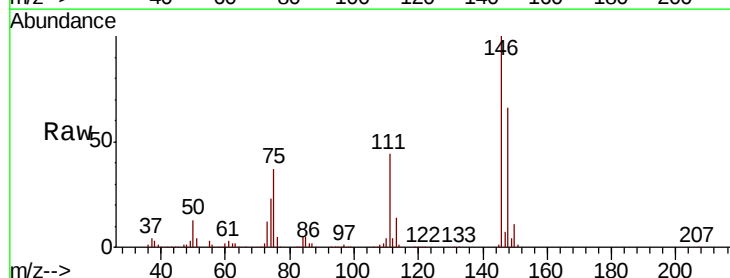
Instrument :  
BNA\_M  
ClientSampleId :

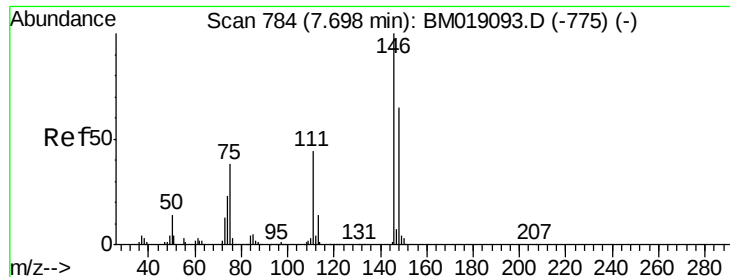
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 76.5  | 56.6  | 96.6  |
| 95      | 31.7  | 13.0  | 53.0  |



#12  
1,3-Dichlorobenzene  
Concen: 40.982 ng  
RT: 7.55 min Scan# 775  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.9  | 51.7  | 77.5  |
| 75      | 36.7  | 29.1  | 43.7  |

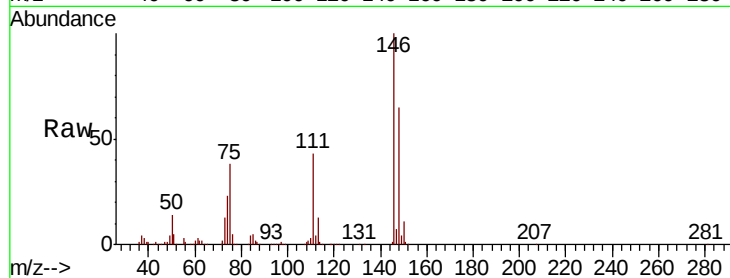




#13  
 1,4-Dichlorobenzene  
 Concen: 41.493 ng  
 RT: 7.69 min Scan# 800  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampled :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.6  | 51.8  | 77.6  |
| 111     | 43.0  | 35.4  | 53.0  |

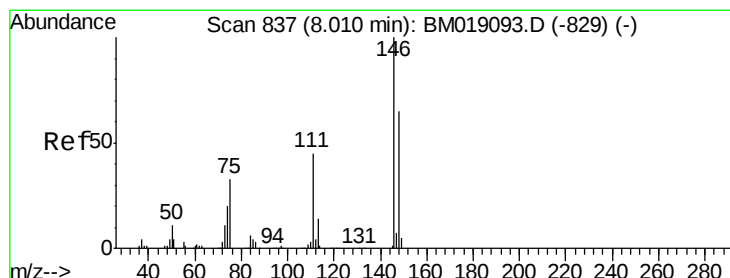
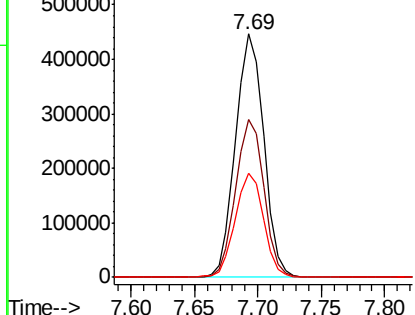
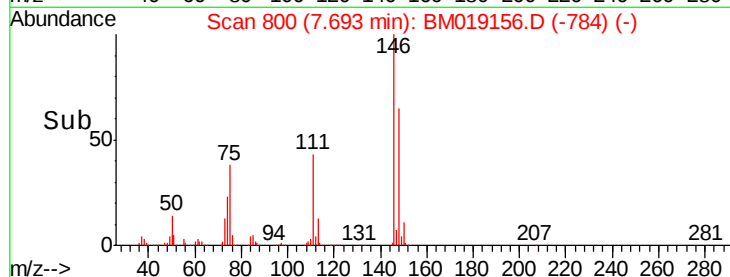


Abundance

Ion 146.00 (145.70 to 146.70): E

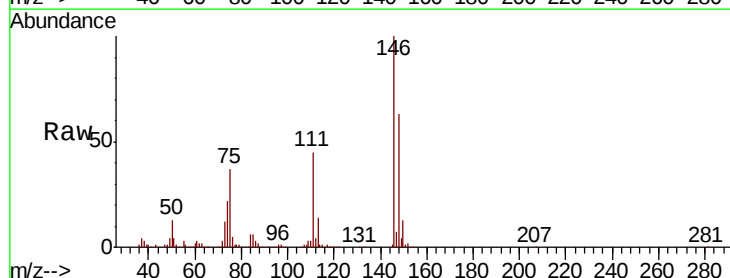
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
 1,2-Dichlorobenzene  
 Concen: 41.742 ng  
 RT: 8.00 min Scan# 853  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.1  | 51.8  | 77.6  |
| 111     | 44.9  | 36.2  | 54.4  |

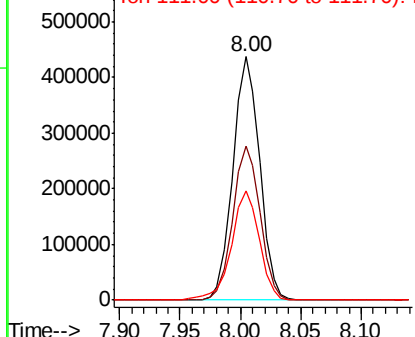
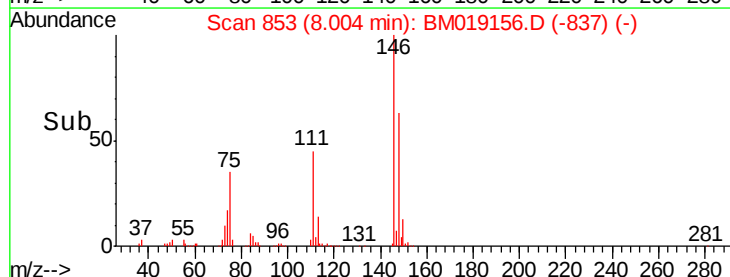


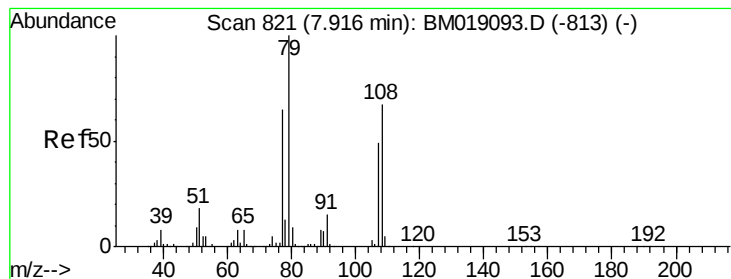
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 47.248 ng

RT: 7.92 min Scan# 838

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

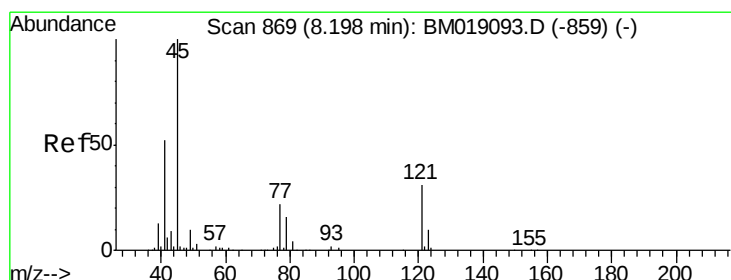
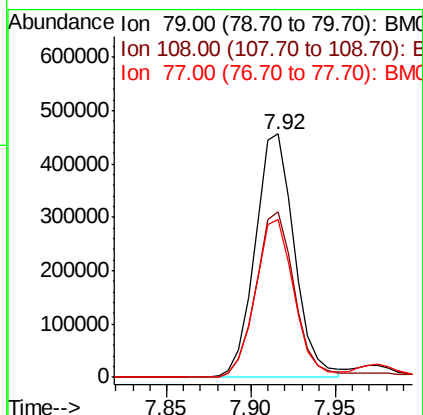
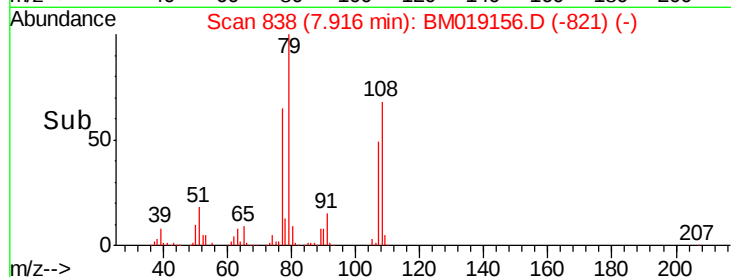
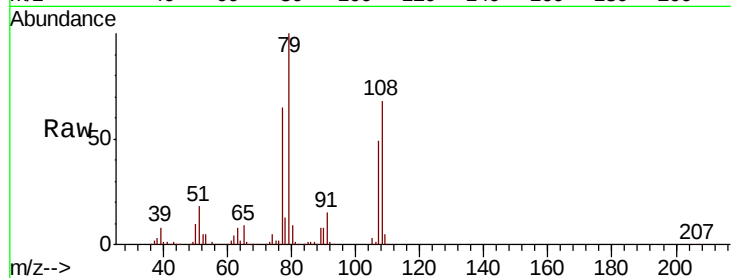
Tot Ion: 79 Resp: 735679

Ion Ratio Lower Upper

79 100

108 67.8 53.7 80.5

77 64.9 51.8 77.8



#16

2,2'-oxybis(1-Chloropropane)

Concen: 41.695 ng

RT: 8.19 min Scan# 885

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

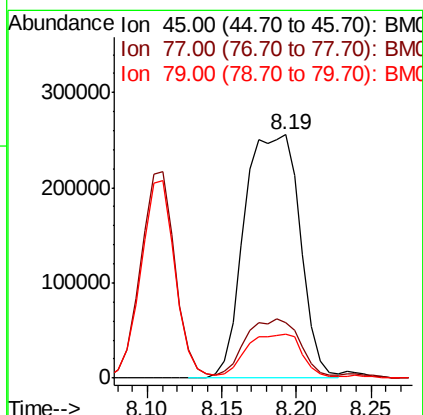
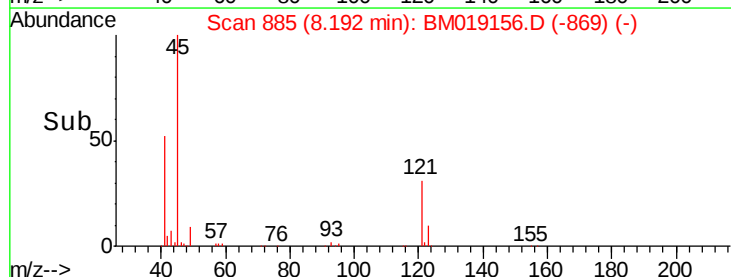
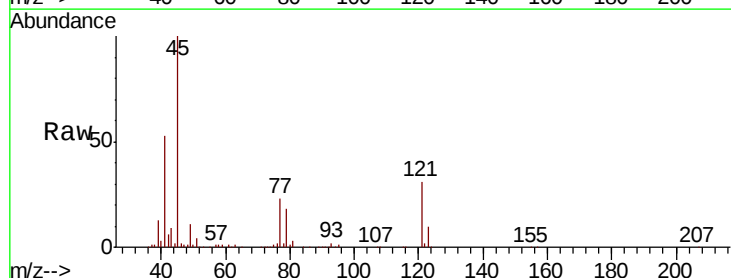
Tgt Ion: 45 Resp: 658683

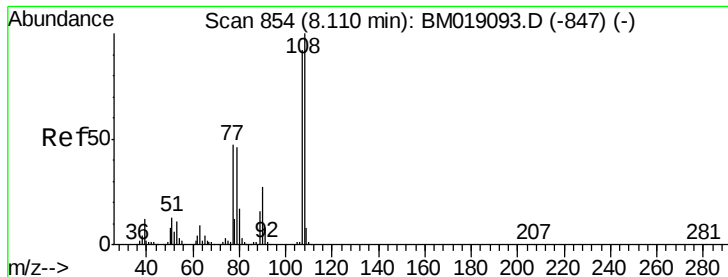
Ion Ratio Lower Upper

45 100

77 22.6 4.1 44.1

79 17.9 0.0 38.1

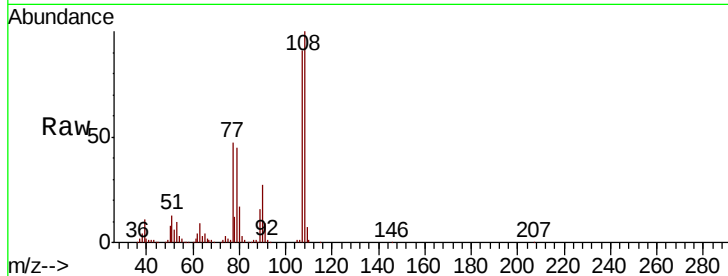




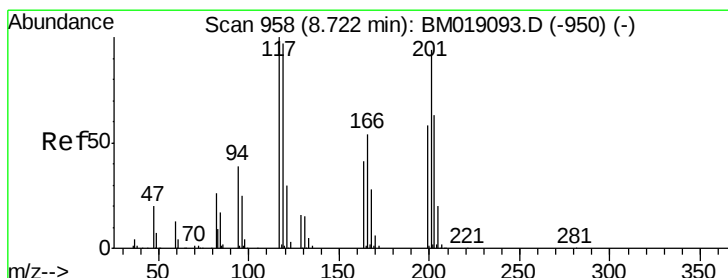
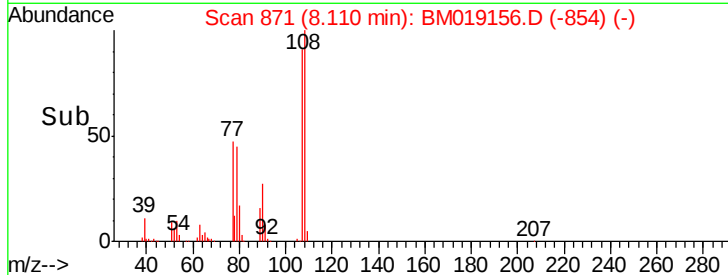
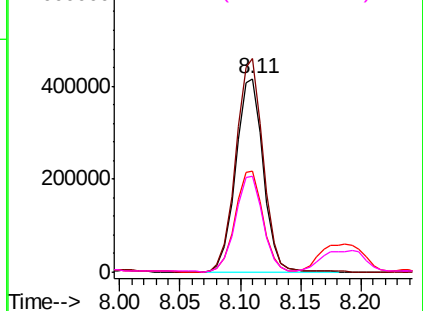
#17  
2-Methylphenol  
Concen: 49.861 ng  
RT: 8.11 min Scan# 871  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 107   | Resp: | 658781 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 110.2 | 87.4  | 131.2  |
| 77       | 52.2  | 41.6  | 62.4   |
| 79       | 49.8  | 40.6  | 60.8   |

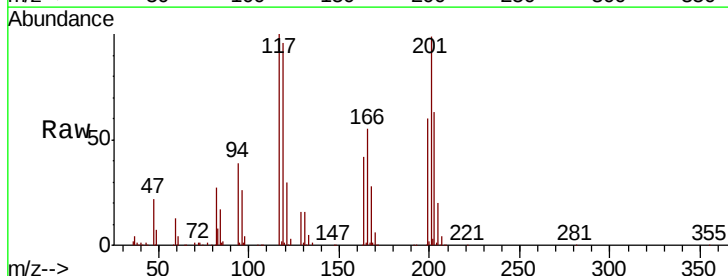


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BM  
Ion 79.00 (78.70 to 79.70): BM

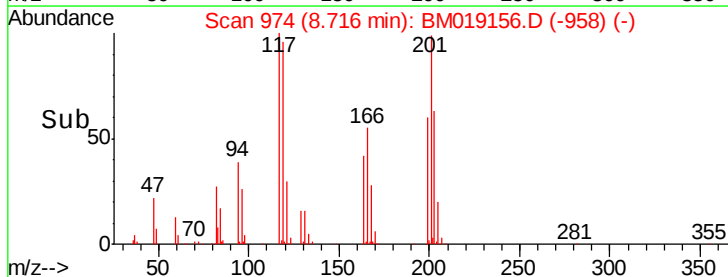
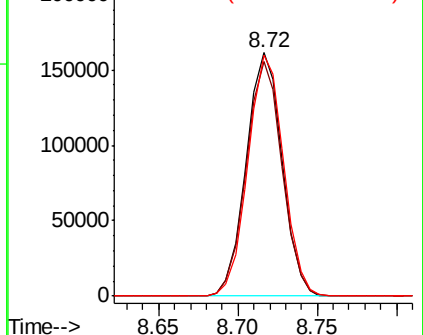


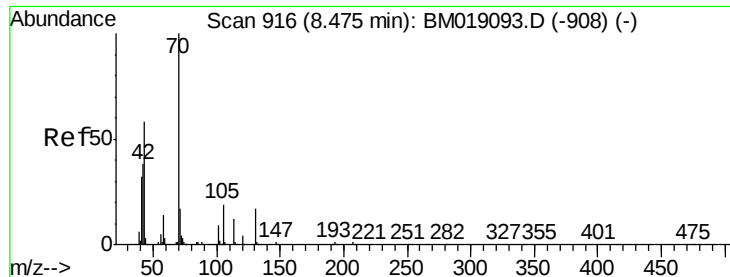
#18  
Hexachloroethane  
Concen: 41.108 ng  
RT: 8.72 min Scan# 974  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 254725 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.3  | 77.4  | 116.2  |
| 201      | 98.8  | 75.2  | 112.8  |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

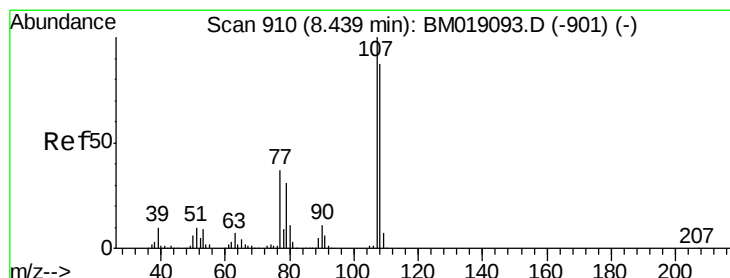
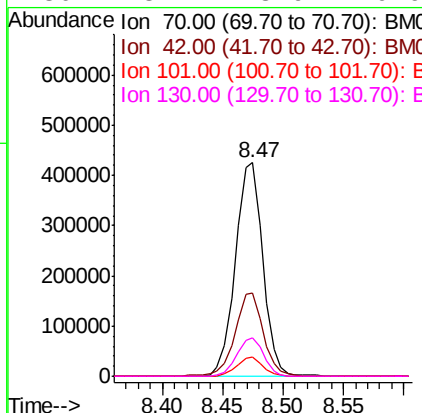
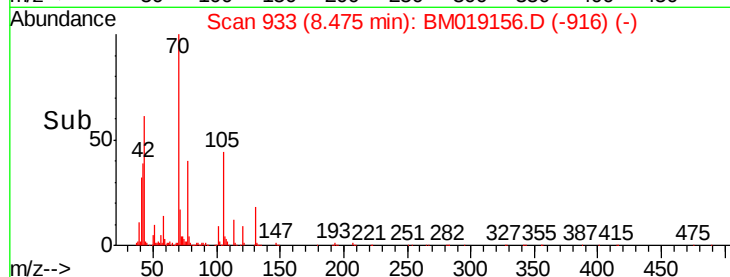
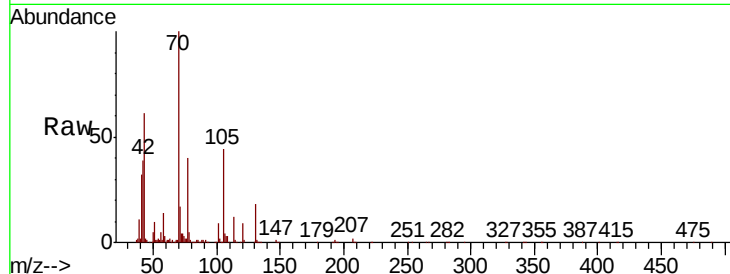




#19  
n-Nitroso-di-n-propylamine  
Concen: 43.816 ng  
RT: 8.47 min Scan# 933  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

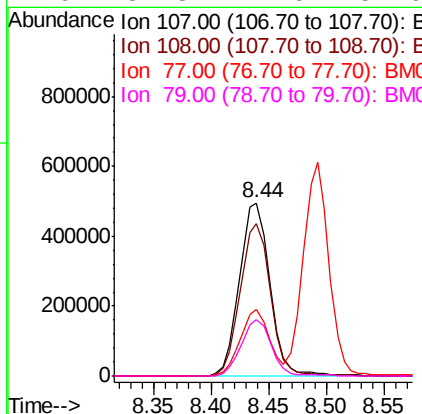
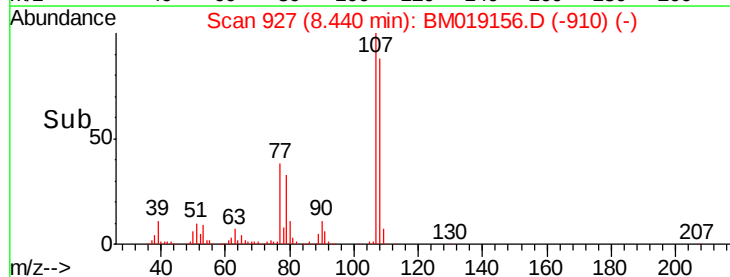
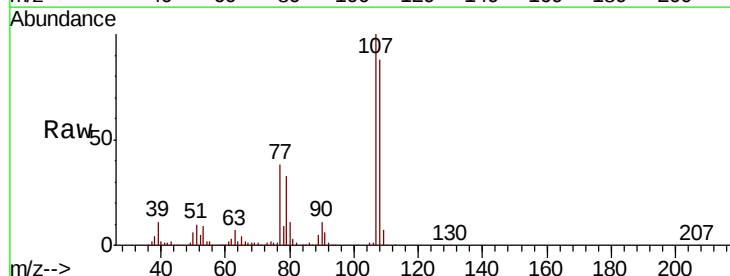
Instrument :  
BNA\_M  
ClientSampleId :

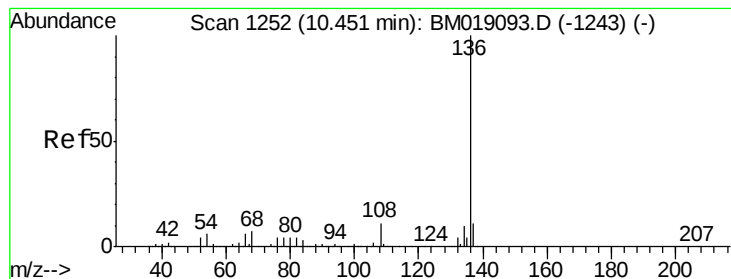
|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 70    | Resp: | 676279 |
| Ion      | Ratio | Lower | Upper  |
| 70       | 100   |       |        |
| 42       | 38.8  | 30.6  | 45.8   |
| 101      | 8.7   | 6.8   | 10.2   |
| 130      | 18.2  | 13.9  | 20.9   |



#20  
3+4-Methylphenols  
Concen: 50.713 ng  
RT: 8.44 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 909513 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 88.3  | 67.0  | 107.0  |
| 77       | 38.3  | 17.3  | 57.3   |
| 79       | 32.8  | 11.6  | 51.6   |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

Tot Ion:136 Resp: 922818

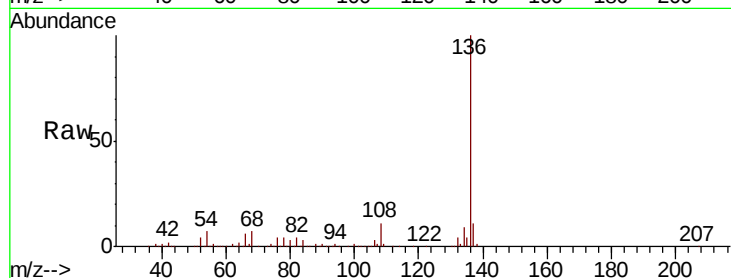
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 6.9 5.2 7.8

68 7.5 5.8 8.8

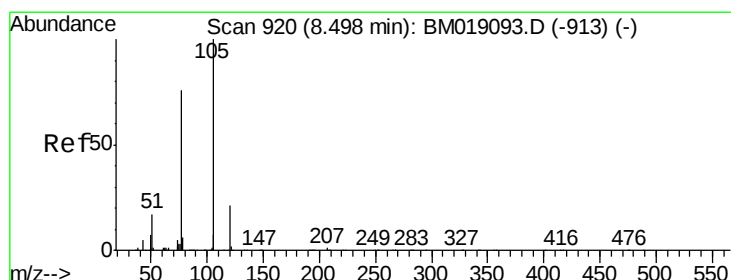
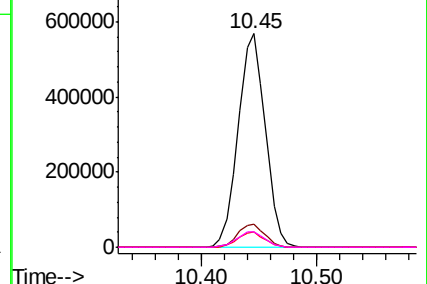
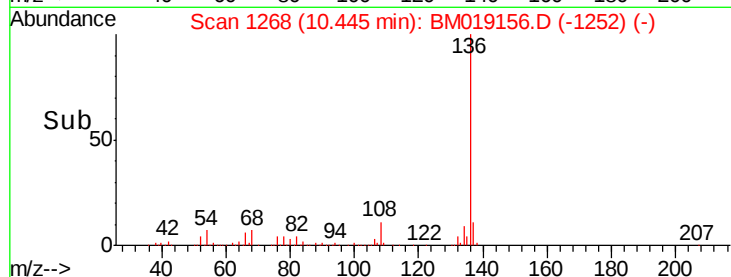


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 43.023 ng

RT: 8.49 min Scan# 936

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Tgt Ion:105 Resp: 1097203

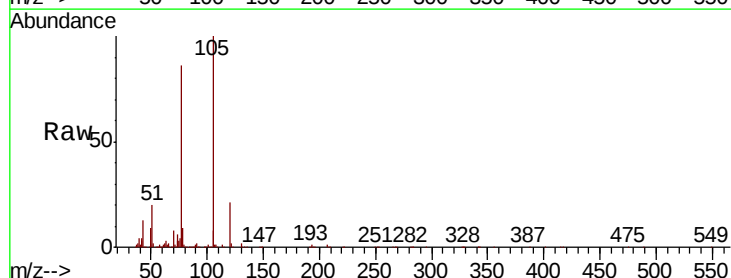
Ion Ratio Lower Upper

105 100

71 1.2 0.8 1.2#

51 20.4 15.8 23.6

120 20.8 17.0 25.4

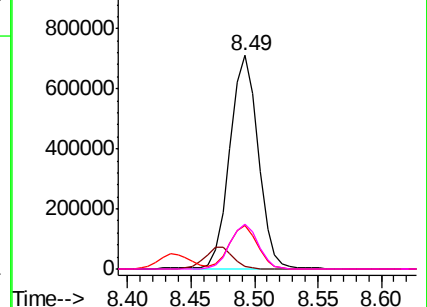
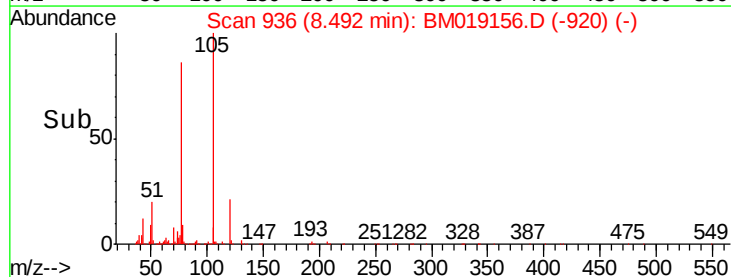


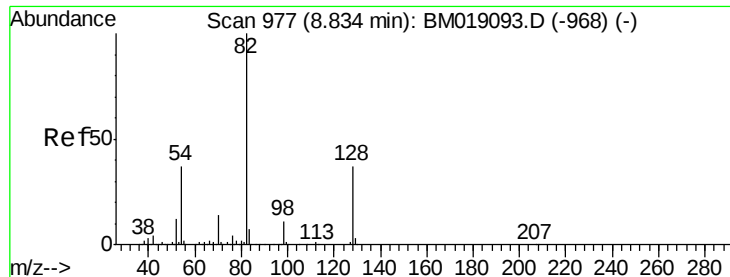
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E





#23

Nitrobenzene-d5

Concen: 95.651 ng

RT: 8.83 min Scan# 993

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampled :

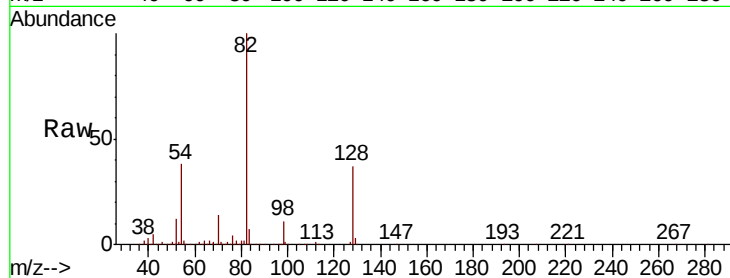
Tot Ion: 82 Resp: 1867317

Ion Ratio Lower Upper

82 100

128 37.4 29.4 44.2

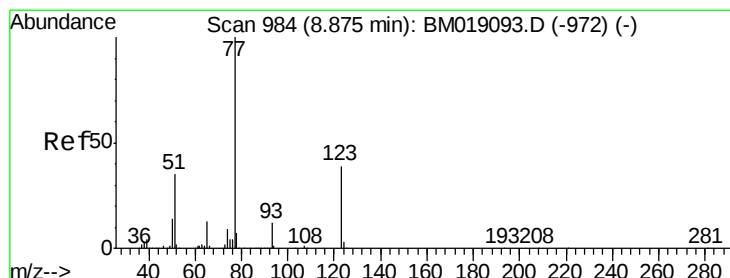
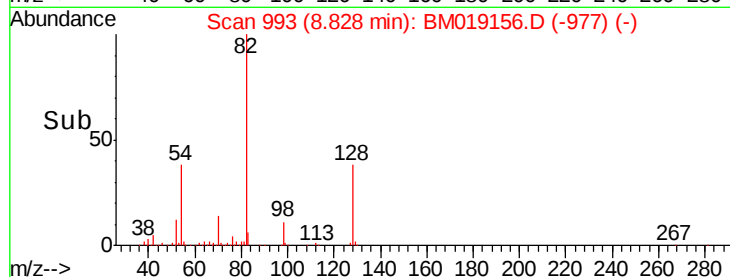
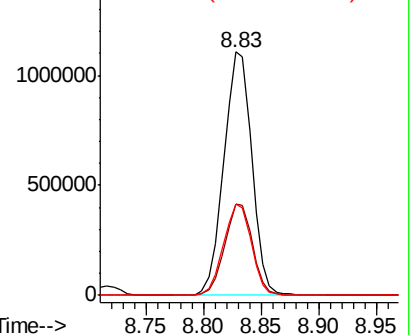
54 37.5 29.9 44.9



Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-968) (-)

Ion 128.00 (127.70 to 128.70): BM019093.D (-968) (-)

Ion 54.00 (53.70 to 54.70): BM019093.D (-968) (-)



#24

Nitrobenzene

Concen: 45.628 ng

RT: 8.87 min Scan# 1000

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

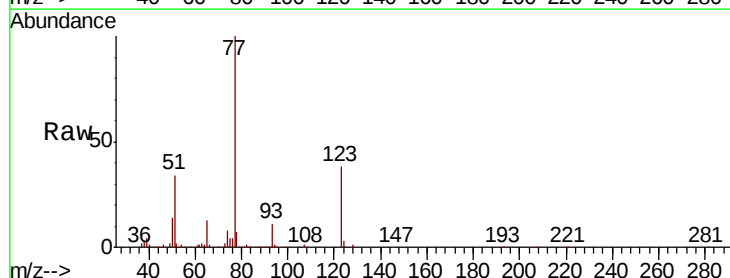
Tgt Ion: 77 Resp: 926407

Ion Ratio Lower Upper

77 100

123 38.2 31.3 46.9

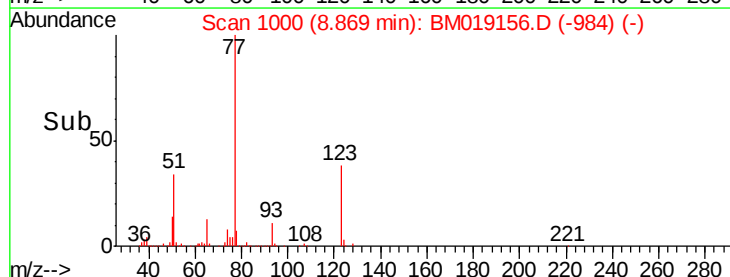
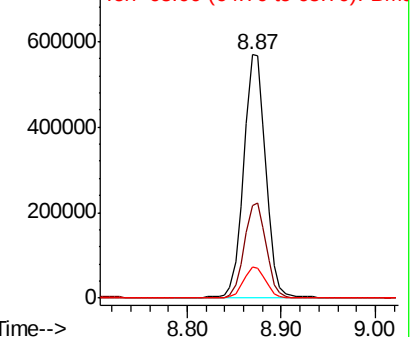
65 12.8 10.5 15.7

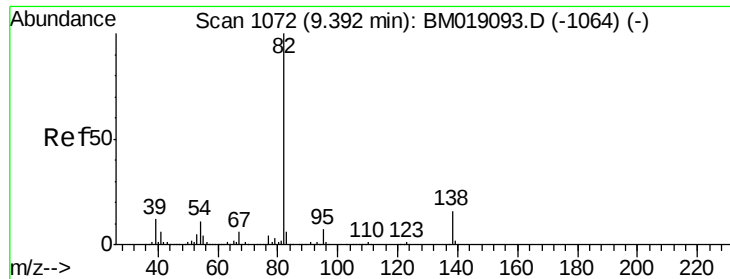


Abundance Ion 77.00 (76.70 to 77.70): BM019093.D (-972) (-)

Ion 123.00 (122.70 to 123.70): BM019093.D (-972) (-)

Ion 65.00 (64.70 to 65.70): BM019093.D (-972) (-)





#25

Isophorone

Concen: 46.697 ng

RT: 9.39 min Scan# 1089

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

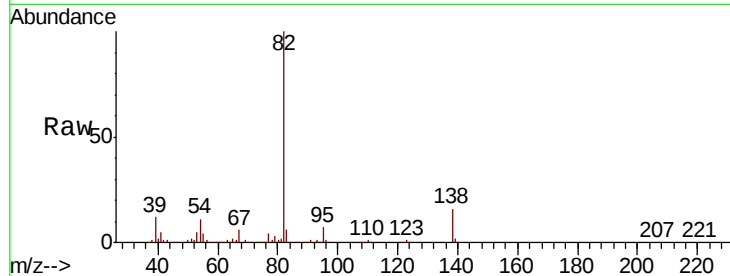
Tot Ion: 82 Resp: 1739533

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.2

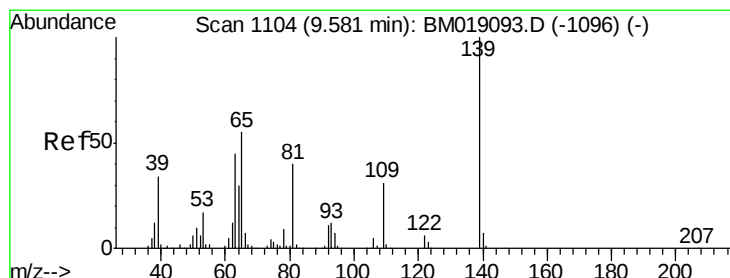
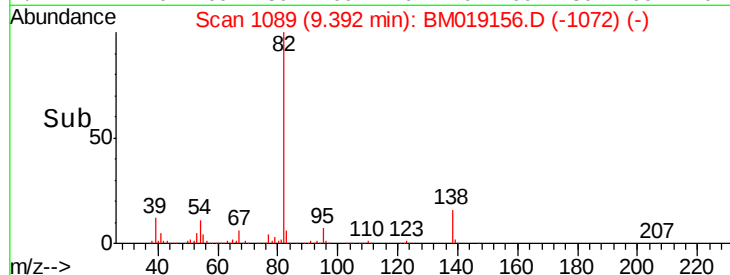
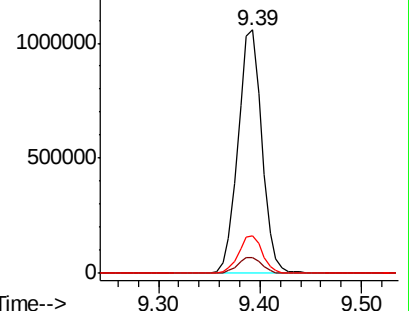
138 15.7 12.6 18.8



Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM019093.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM019093.D (-1064) (-)



#26

2-Nitrophenol

Concen: 47.802 ng

RT: 9.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

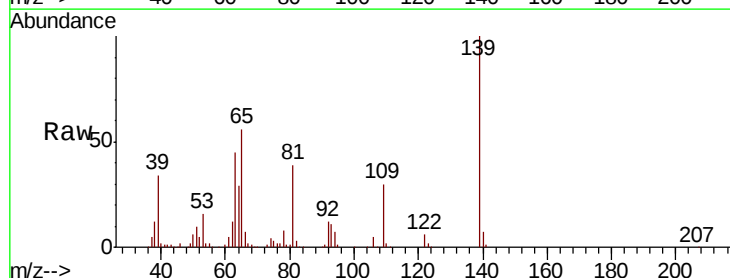
Tgt Ion: 139 Resp: 402298

Ion Ratio Lower Upper

139 100

109 30.0 24.5 36.7

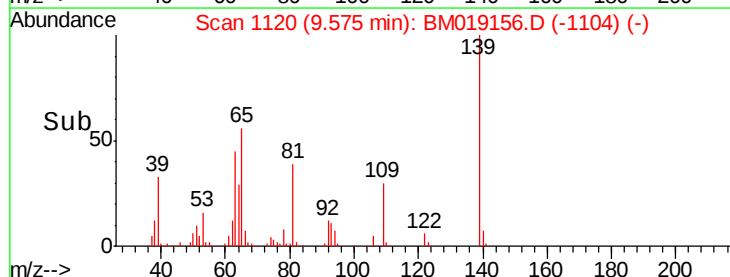
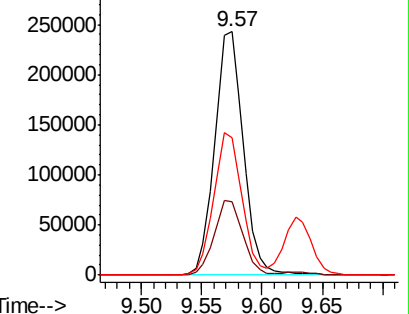
65 56.3 44.4 66.6



Abundance Ion 139.00 (138.70 to 139.70): BM019093.D (-1096) (-)

Ion 109.00 (108.70 to 109.70): BM019093.D (-1096) (-)

Ion 65.00 (64.70 to 65.70): BM019093.D (-1096) (-)

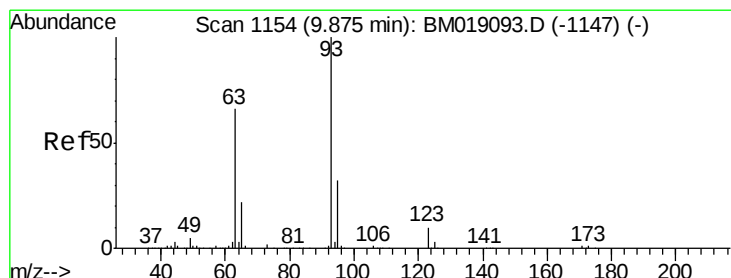
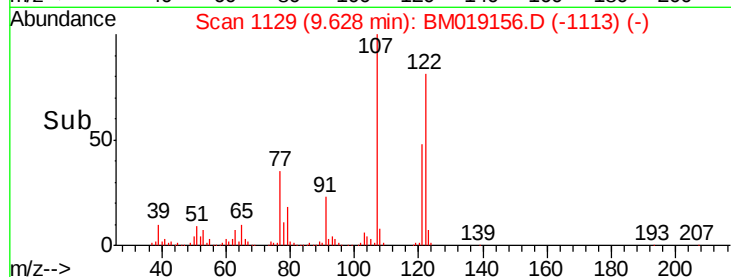
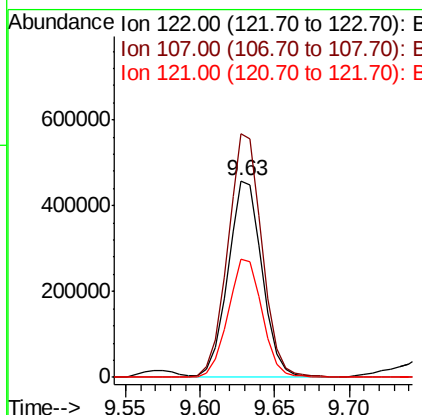
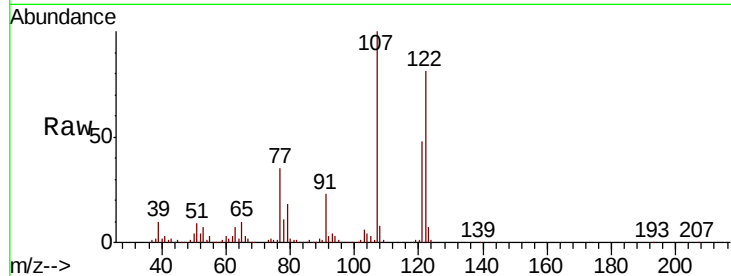




#27  
 2,4-Dimethylphenol  
 Concen: 57.995 ng  
 RT: 9.63 min Scan# 1129  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

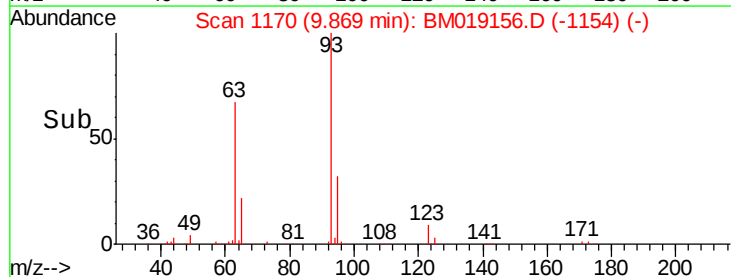
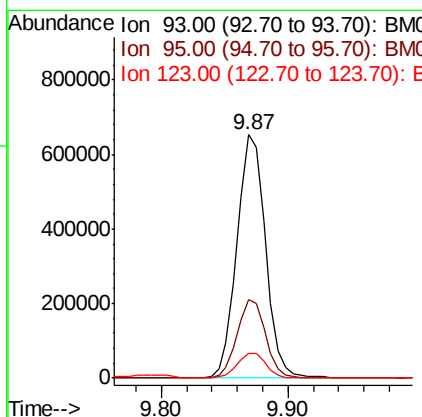
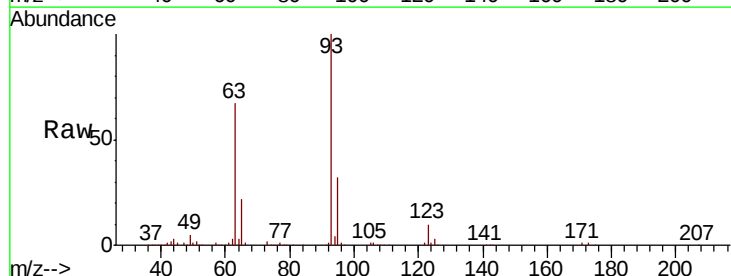
Instrument :  
 BNA\_M  
 ClientSampleId :

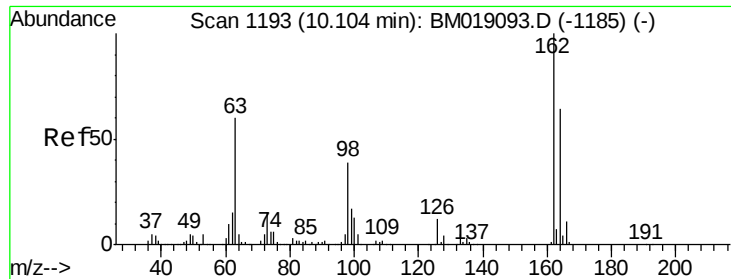
Tot Ion:122 Resp: 725605  
 Ion Ratio Lower Upper  
 122 100  
 107 124.1 98.2 147.4  
 121 60.1 48.8 73.2



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 46.345 ng  
 RT: 9.87 min Scan# 1170  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion: 93 Resp: 1022240  
 Ion Ratio Lower Upper  
 93 100  
 95 32.2 25.8 38.8  
 123 10.3 7.9 11.9

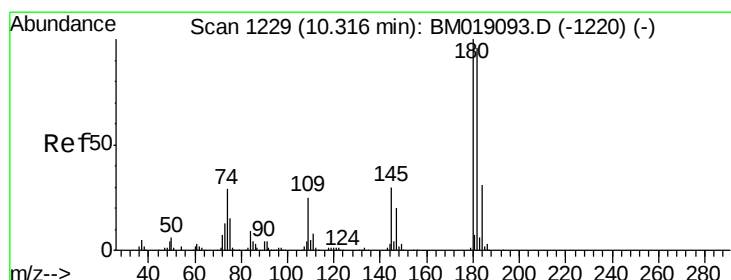
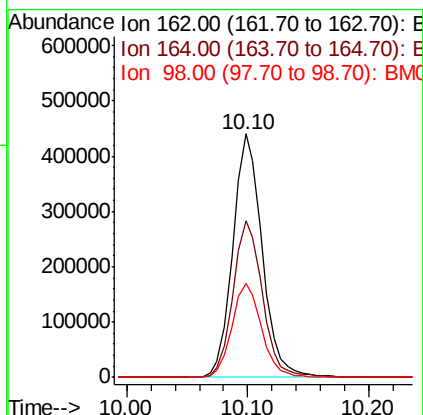
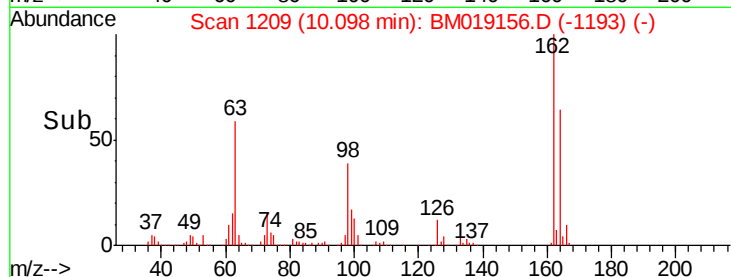
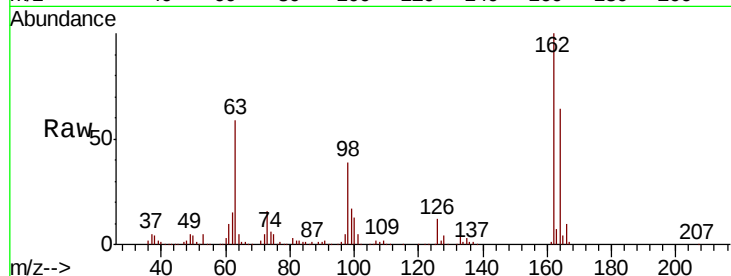




#29  
2,4-Dichlorophenol  
Concen: 53.917 ng  
RT: 10.10 min Scan# 1209  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

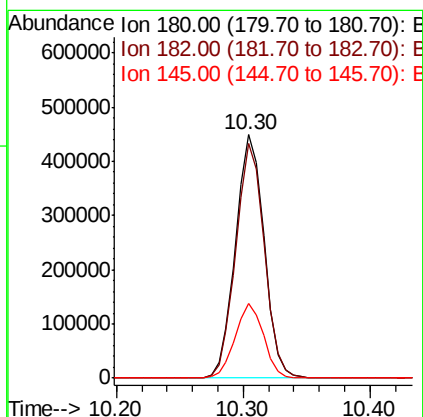
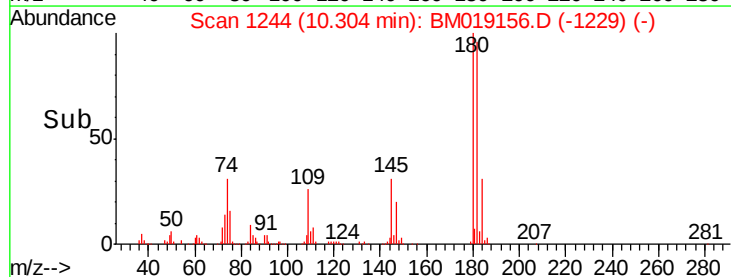
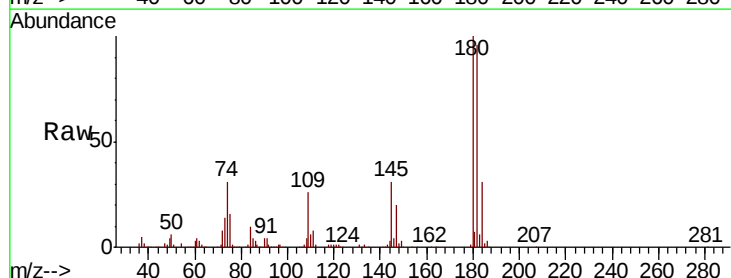
Instrument :  
BNA\_M  
ClientSampled :

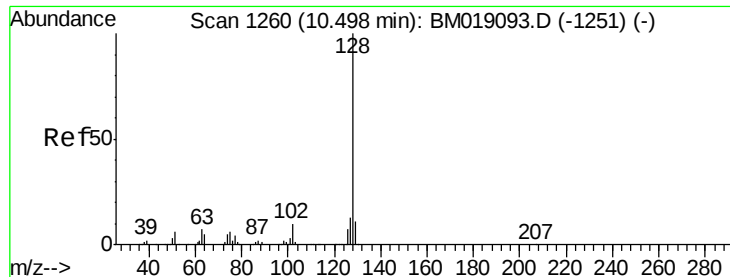
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.3  | 43.5  | 83.5  |
| 98      | 38.7  | 19.1  | 59.1  |



#30  
1,2,4-Trichlorobenzene  
Concen: 44.920 ng  
RT: 10.30 min Scan# 1244  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 96.2  | 76.6  | 114.8 |
| 145     | 30.6  | 24.3  | 36.5  |

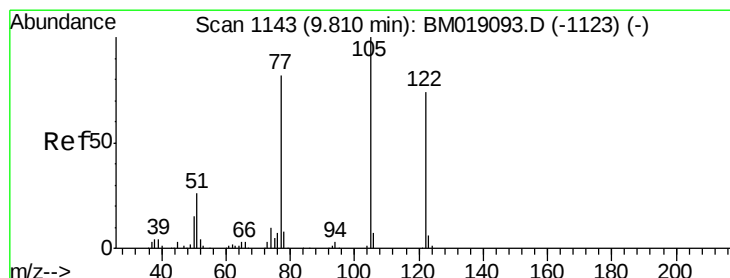
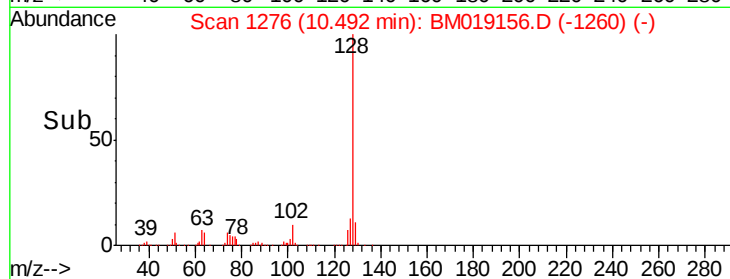
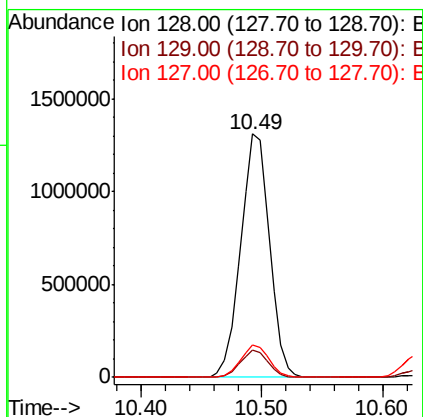
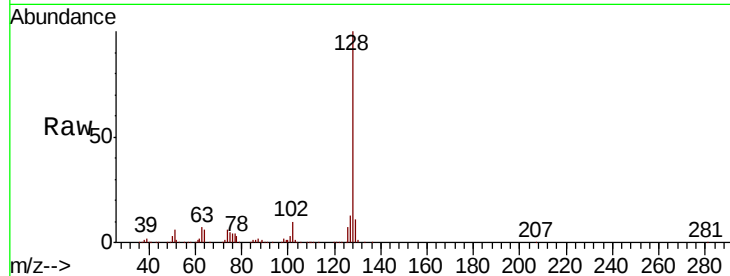




#31  
Naphthalene  
Concen: 45.003 ng  
RT: 10.49 min Scan# 1276  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

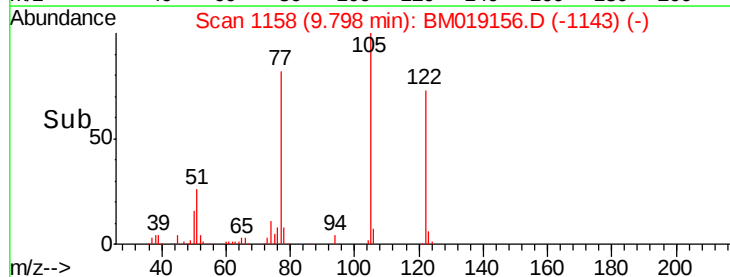
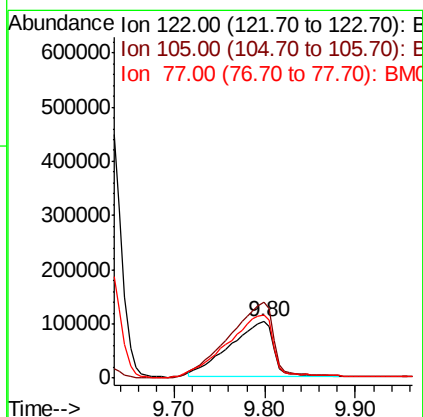
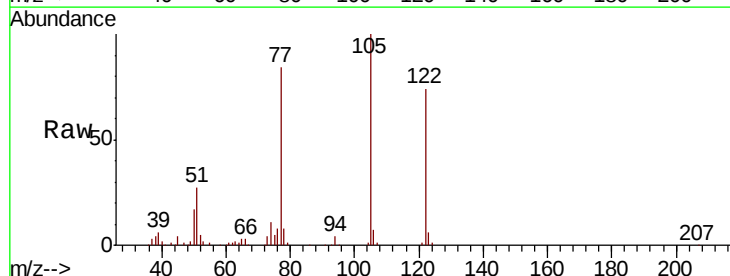
Instrument :  
BNA\_M  
ClientSampleId :

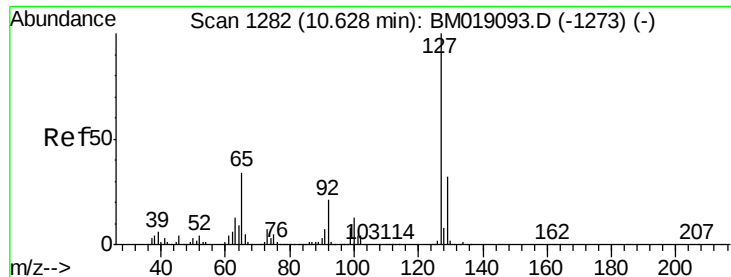
Tot Ion:128 Resp: 2188910  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.6 13.0  
127 13.5 10.4 15.6



#32  
Benzoic acid  
Concen: 31.961 ng  
RT: 9.80 min Scan# 1158  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:122 Resp: 338659  
Ion Ratio Lower Upper  
122 100  
105 135.0 113.0 153.0  
77 113.1 90.1 130.1

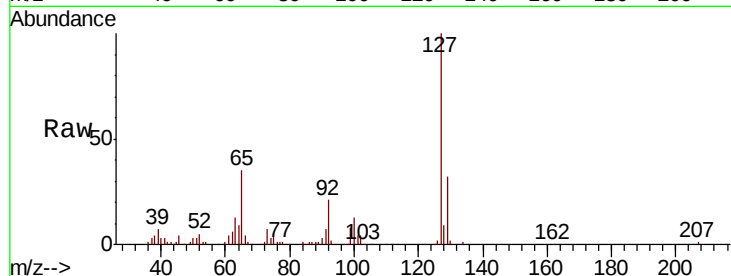




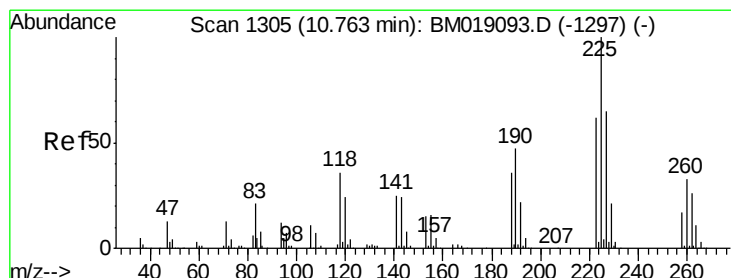
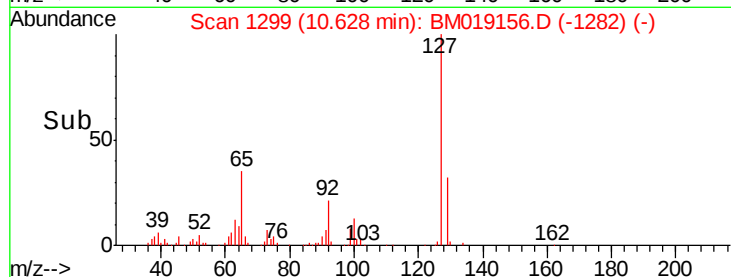
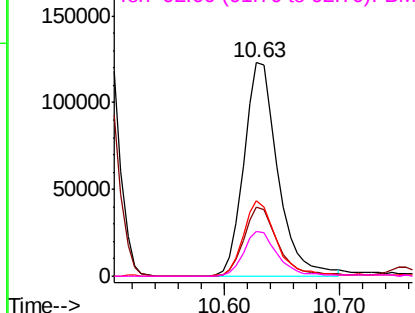
#33  
4-Chloroaniline  
Concen: 12.683 ng  
RT: 10.63 min Scan# 1299  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 127   | Resp: | 252886 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 32.3  | 25.3  | 37.9   |
| 65       | 35.1  | 27.4  | 41.2   |
| 92       | 20.8  | 16.8  | 25.2   |

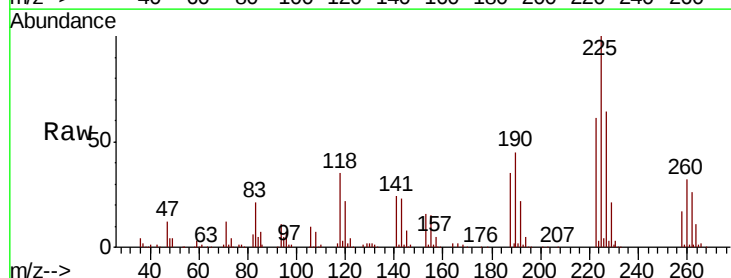


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BM0  
Ion 92.00 (91.70 to 92.70): BM0

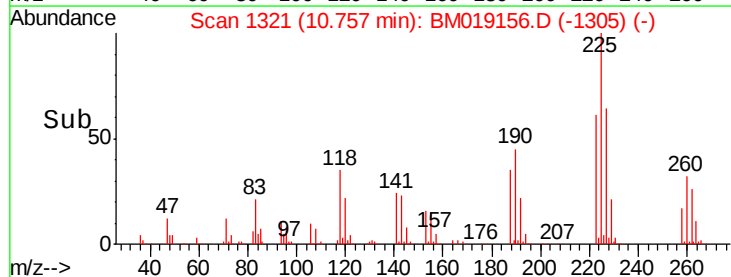
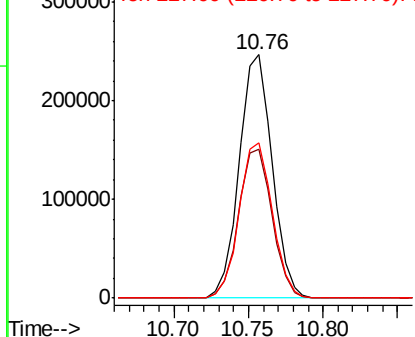


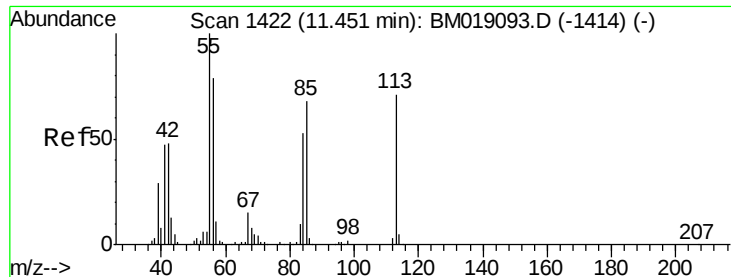
#34  
Hexachlorobutadiene  
Concen: 42.096 ng  
RT: 10.76 min Scan# 1321  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 225   | Resp: | 377450 |
| Ion      | Ratio | Lower | Upper  |
| 225      | 100   |       |        |
| 223      | 61.2  | 49.4  | 74.0   |
| 227      | 63.7  | 51.6  | 77.4   |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 24.298 ng

RT: 11.46 min Scan# 1440

Delta R.T. 0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

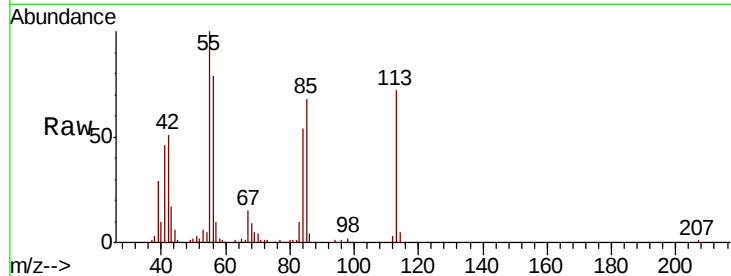
Tot Ion:113 Resp: 119937

Ion Ratio Lower Upper

113 100

55 139.6 120.1 160.1

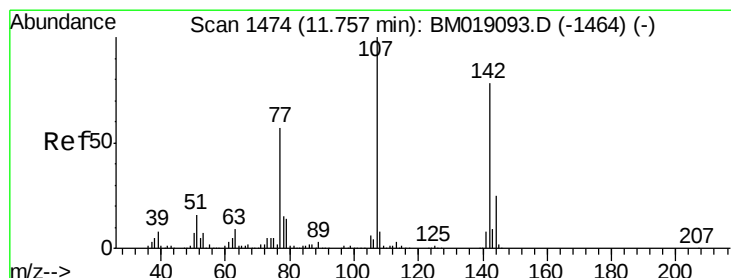
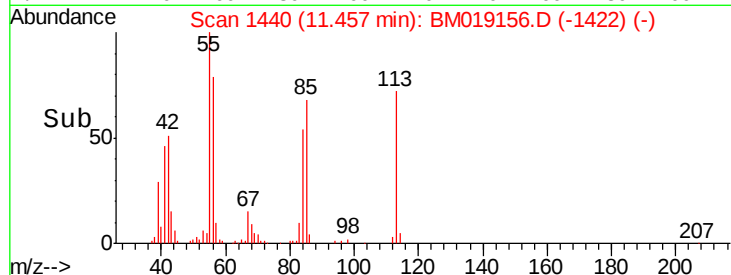
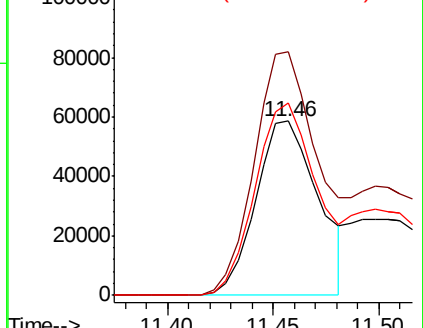
56 110.1 90.1 130.1



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#36

4-Chloro-3-methylphenol

Concen: 52.286 ng

RT: 11.75 min Scan# 1490

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

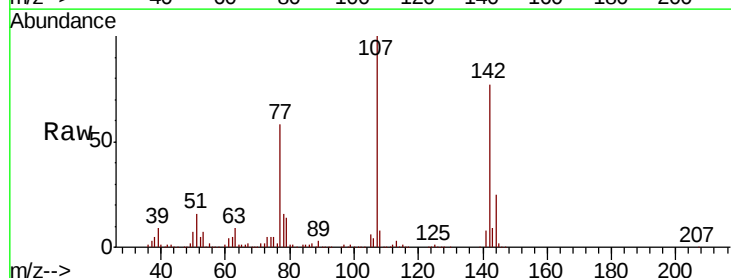
Tgt Ion:107 Resp: 893965

Ion Ratio Lower Upper

107 100

144 24.8 20.2 30.4

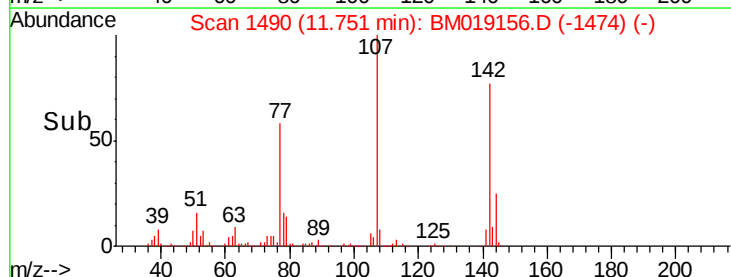
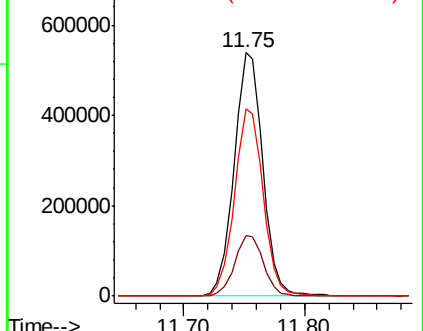
142 76.7 62.4 93.6

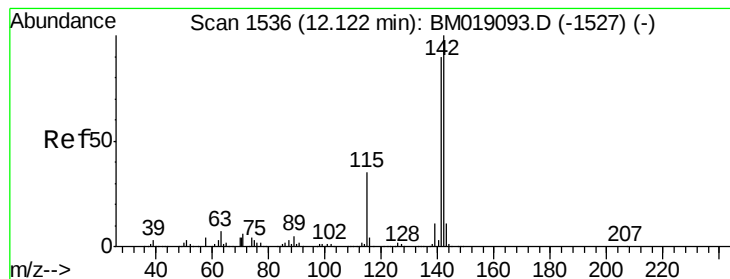


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 47.785 ng

RT: 12.12 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

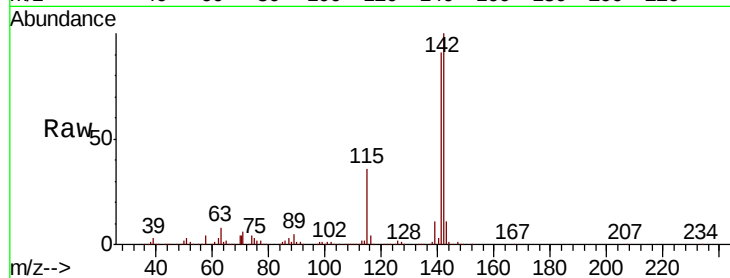
Tot Ion:142 Resp: 1688972

Ion Ratio Lower Upper

142 100

141 90.6 72.3 108.5

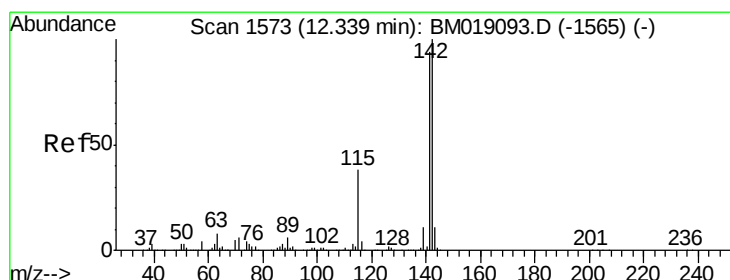
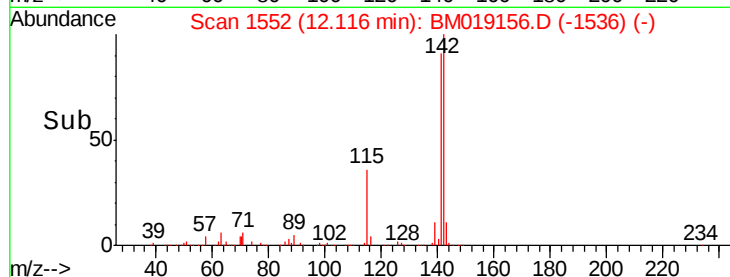
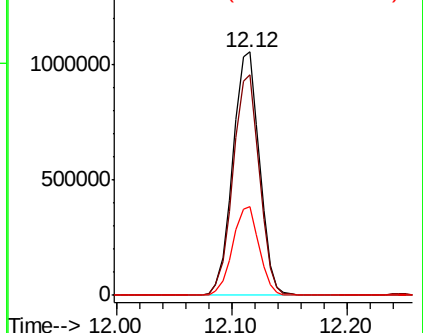
115 36.2 27.8 41.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.557 ng

RT: 12.33 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

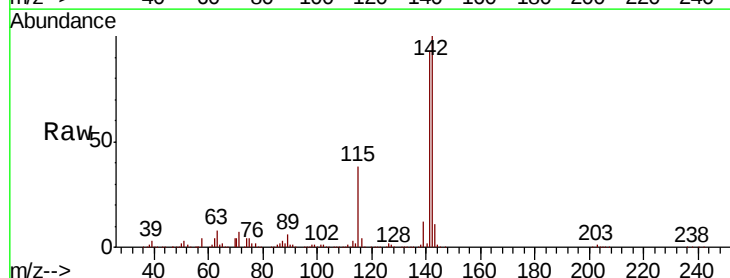
Tgt Ion:142 Resp: 1621979

Ion Ratio Lower Upper

142 100

141 92.9 74.9 112.3

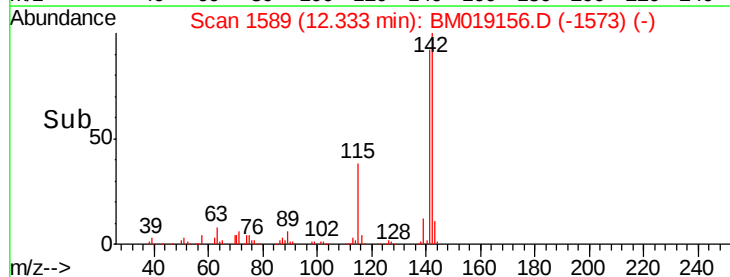
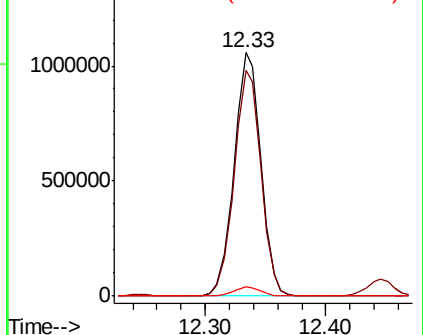
116 4.1 3.2 4.8

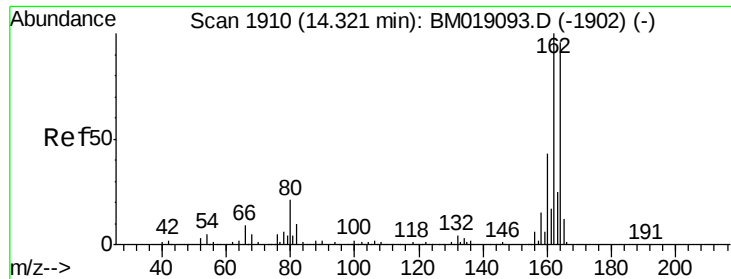


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampled :

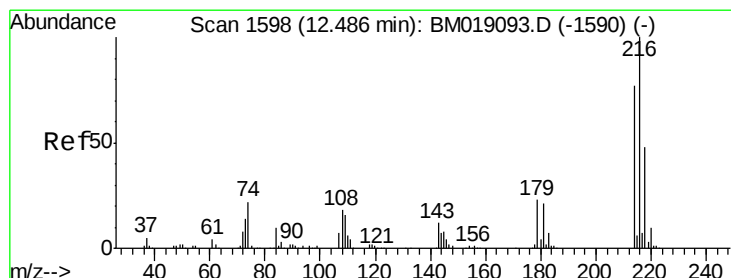
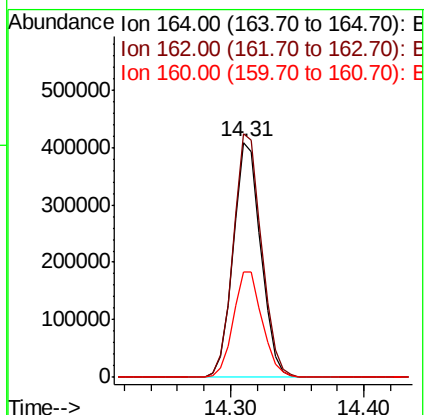
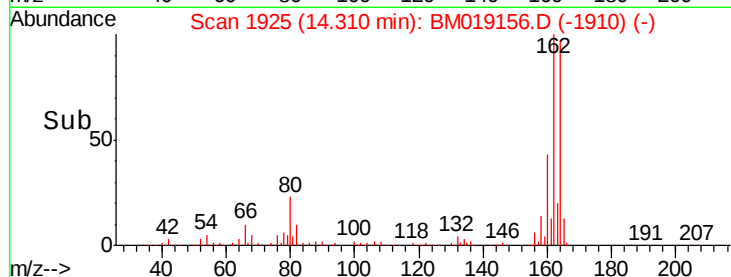
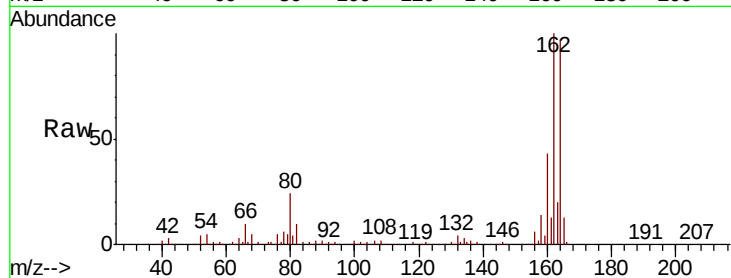
Tot Ion:164 Resp: 589540

Ion Ratio Lower Upper

164 100

162 103.5 83.5 125.3

160 45.0 36.3 54.5



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.184 ng

RT: 12.48 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Tgt Ion:216 Resp: 805324

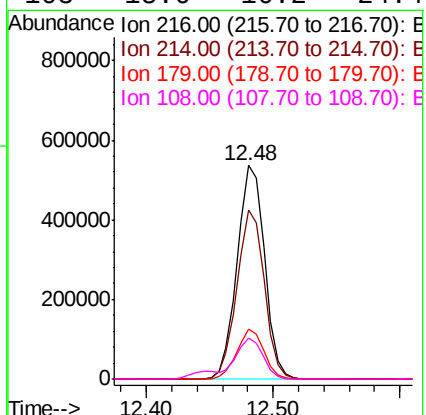
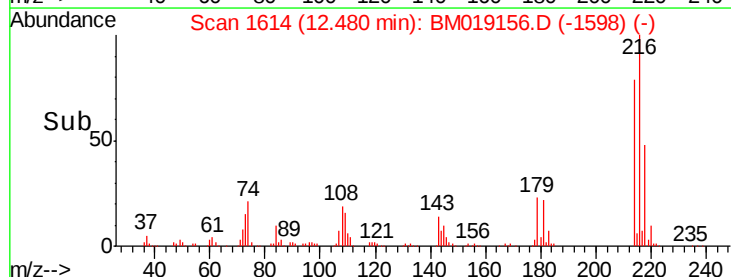
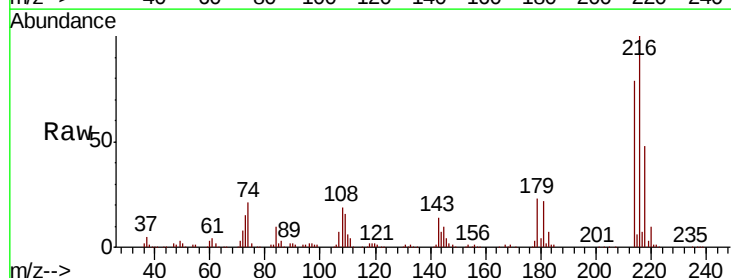
Ion Ratio Lower Upper

216 100

214 78.6 62.9 94.3

179 22.7 18.0 27.0

108 18.6 16.2 24.4





#41

Hexachlorocyclopentadiene

Concen: 101.114 ng

RT: 12.45 min Scan# 1608

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

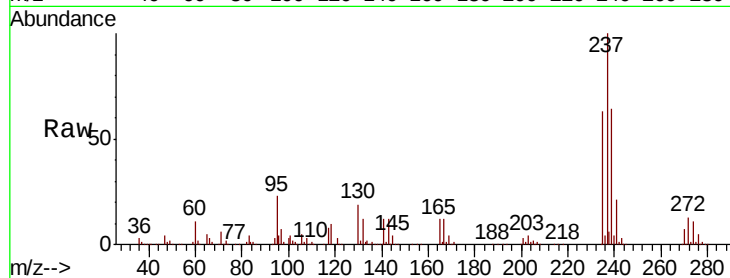
Tot Ion:237 Resp: 854125

Ion Ratio Lower Upper

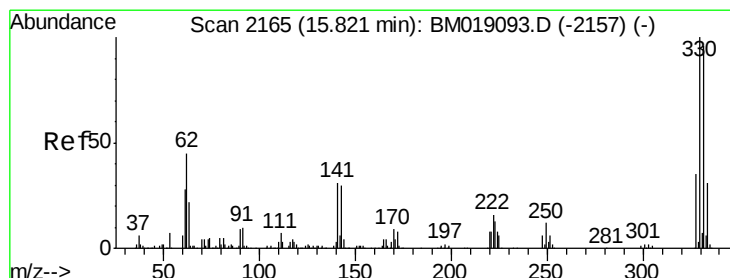
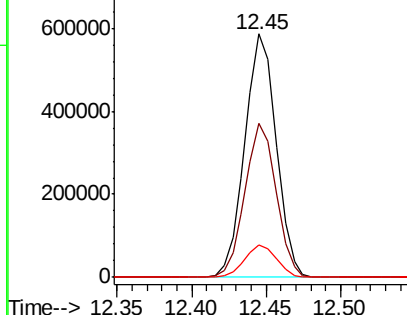
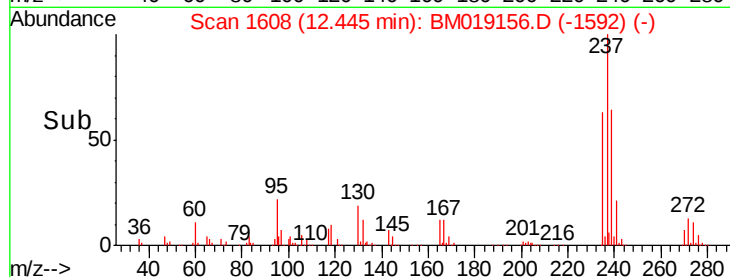
237 100

235 63.3 41.3 81.3

272 13.4 0.0 33.1



Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 159.457 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

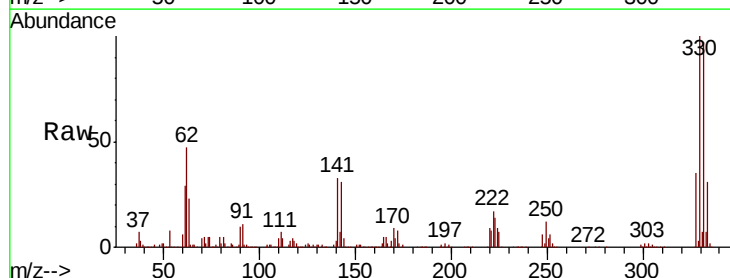
Tgt Ion:330 Resp: 1387970

Ion Ratio Lower Upper

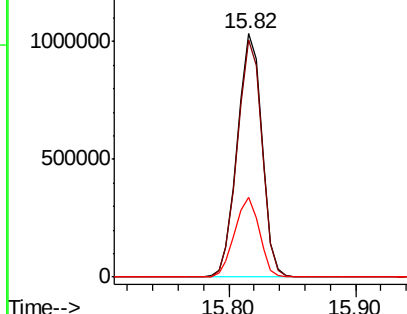
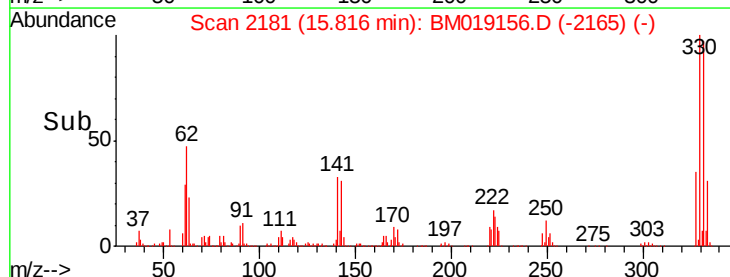
330 100

332 97.2 76.8 115.2

141 32.8 27.0 40.4



Abundance Ion 329.80 (329.50 to 330.50): E  
Ion 331.80 (331.50 to 332.50): E  
Ion 141.00 (140.70 to 141.70): E

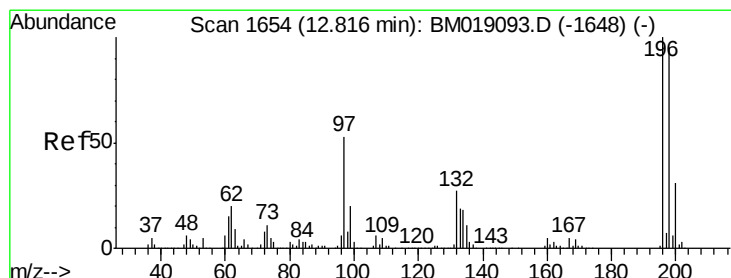
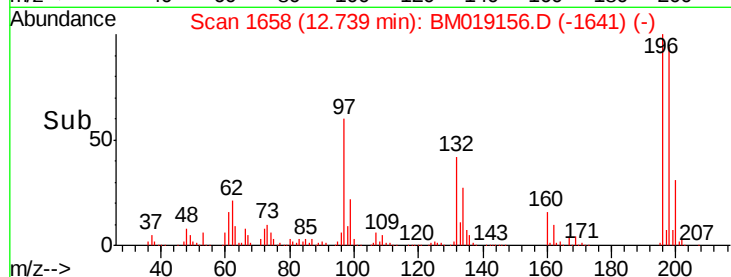
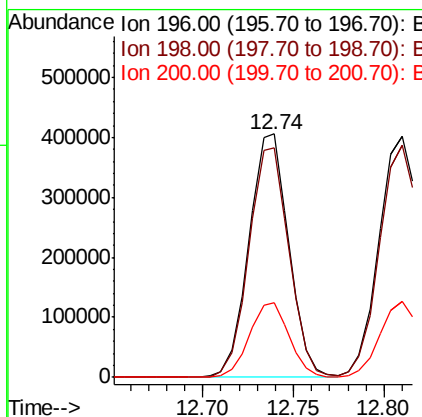
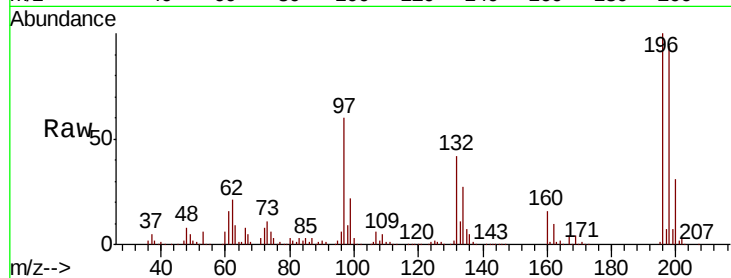




#43  
 2,4,6-Trichlorophenol  
 Concen: 51.444 ng  
 RT: 12.74 min Scan# 1658  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

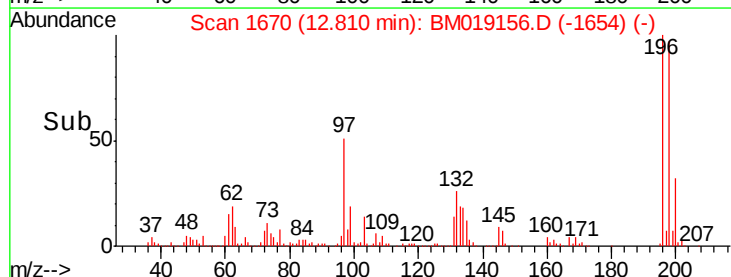
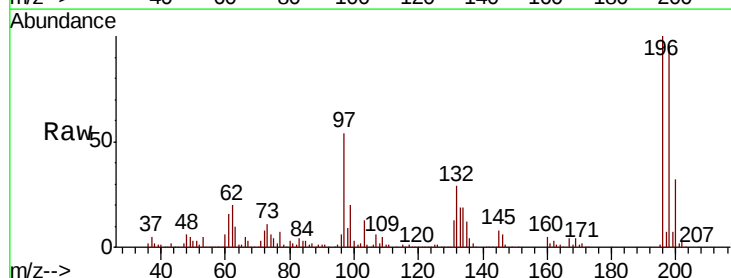
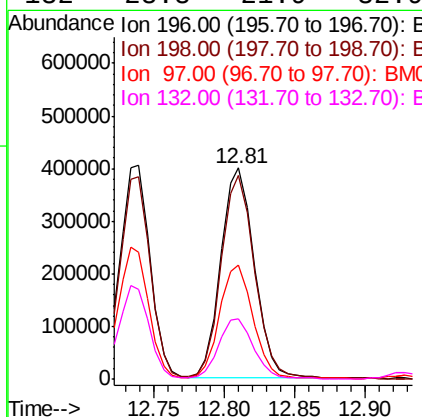
Instrument :  
 BNA\_M  
 ClientSampleId :

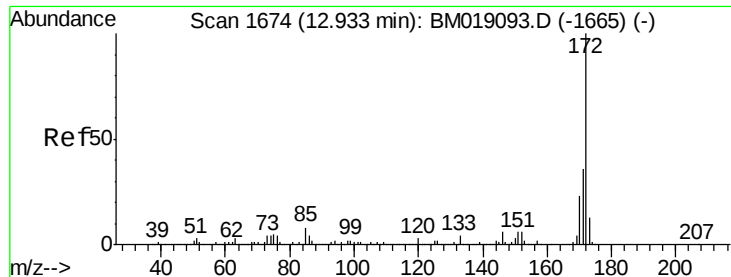
Tot Ion:196 Resp: 619979  
 Ion Ratio Lower Upper  
 196 100  
 198 94.5 75.4 113.0  
 200 30.8 24.2 36.2



#44  
 2,4,5-Trichlorophenol  
 Concen: 51.132 ng  
 RT: 12.81 min Scan# 1670  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion:196 Resp: 658942  
 Ion Ratio Lower Upper  
 196 100  
 198 96.3 75.9 113.9  
 97 53.7 42.5 63.7  
 132 28.8 21.9 32.9

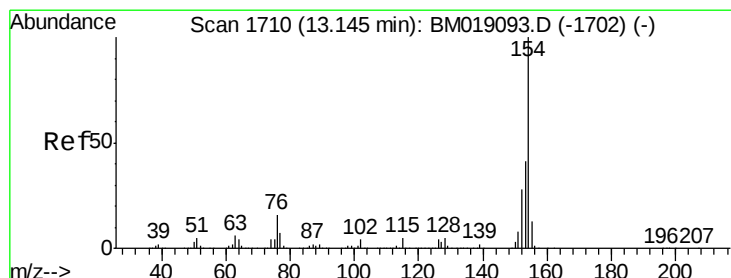
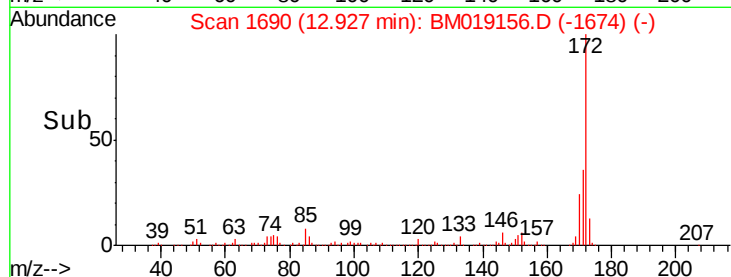
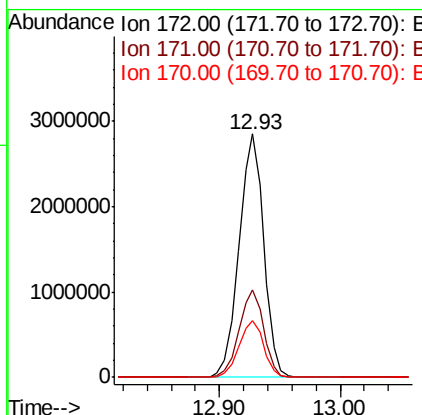
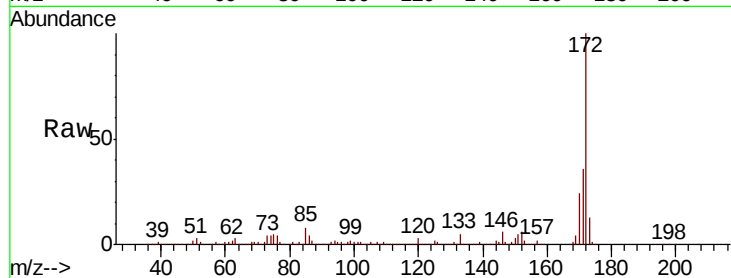




#45  
2-Fluorobiphenyl  
Concen: 89.074 ng  
RT: 12.93 min Scan# 1690  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

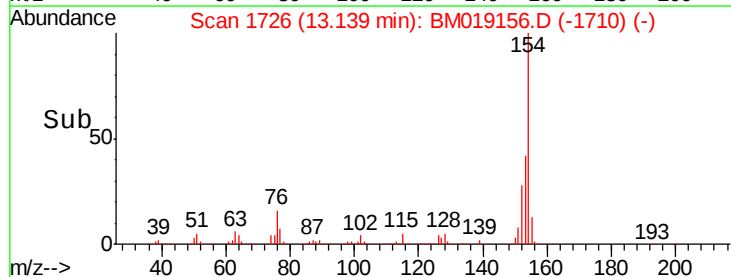
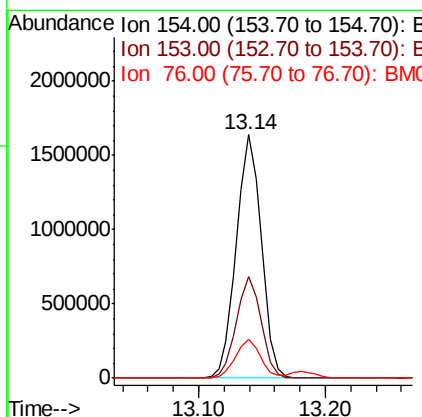
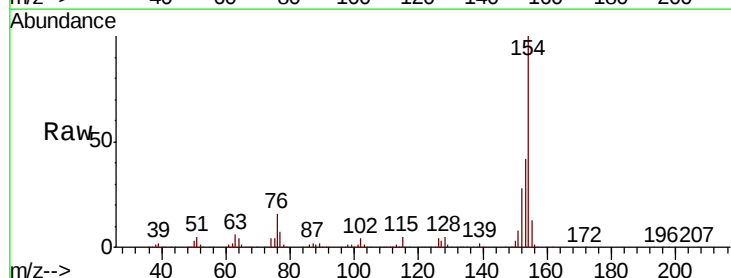
Instrument :  
BNA\_M  
ClientSampleId :

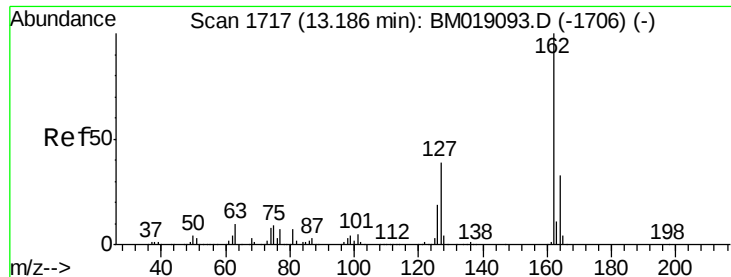
Tot Ion:172 Resp: 4037081  
Ion Ratio Lower Upper  
172 100  
171 36.0 28.6 42.8  
170 23.5 18.6 28.0



#46  
1,1'-Biphenyl  
Concen: 43.515 ng  
RT: 13.14 min Scan# 1726  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:154 Resp: 2240385  
Ion Ratio Lower Upper  
154 100  
153 41.6 21.5 61.5  
76 15.8 0.0 35.8

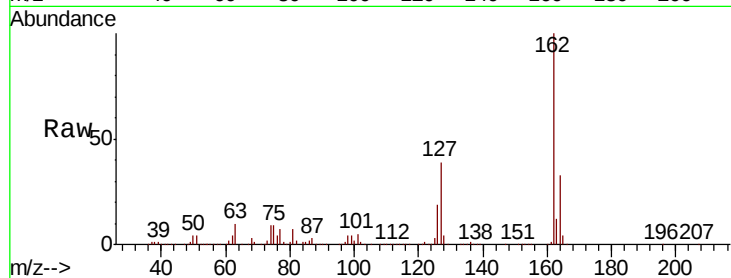




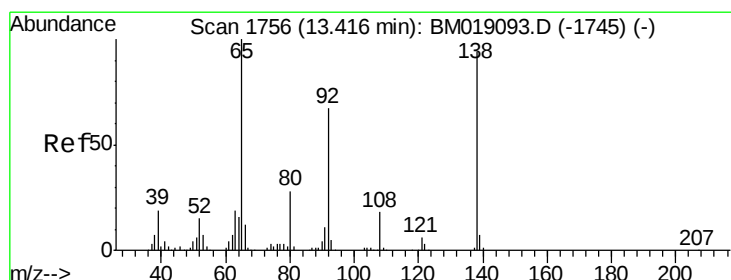
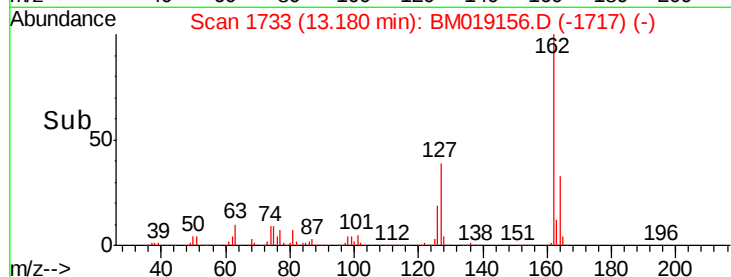
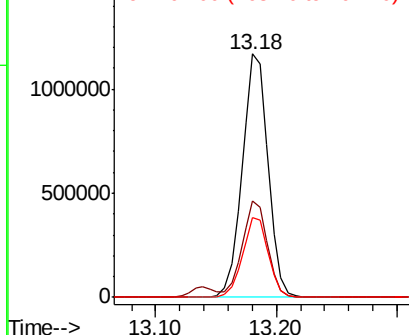
#47  
 2-Chloronaphthalene  
 Concen: 45.193 ng  
 RT: 13.18 min Scan# 1733  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion: 162 Resp: 1736775  
 Ion Ratio Lower Upper  
 162 100  
 127 39.5 31.2 46.8  
 164 32.8 26.3 39.5

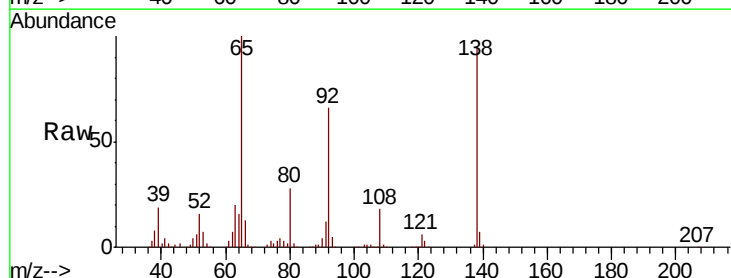


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

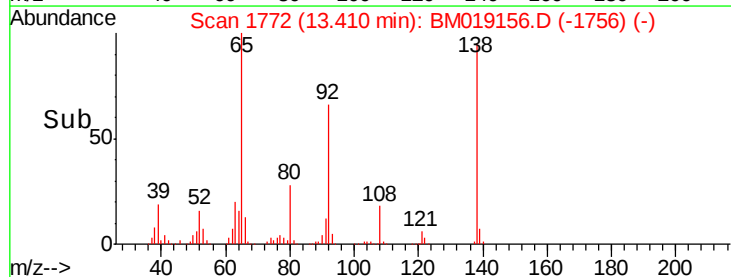
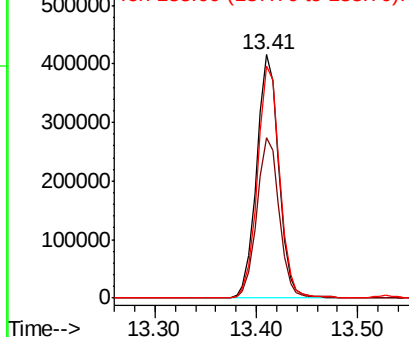


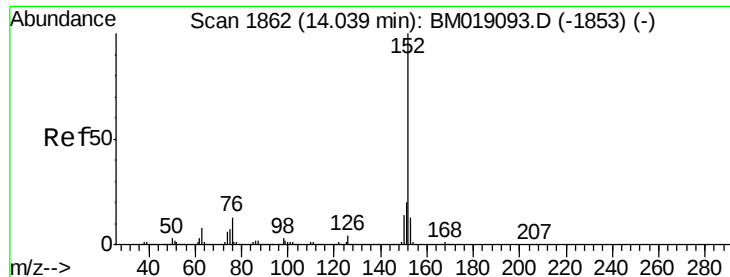
#48  
 2-Nitroaniline  
 Concen: 49.076 ng  
 RT: 13.41 min Scan# 1772  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion: 65 Resp: 632516  
 Ion Ratio Lower Upper  
 65 100  
 92 65.8 53.4 80.2  
 138 95.4 74.9 112.3



Abundance Ion 65.00 (64.70 to 65.70): BM0  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 44.656 ng

RT: 14.03 min Scan# 1878

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampled :

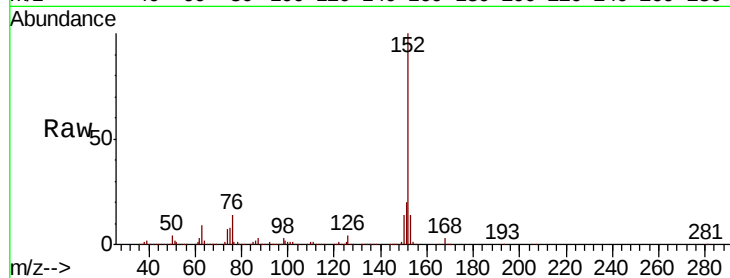
Tot Ion:152 Resp: 2901754

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

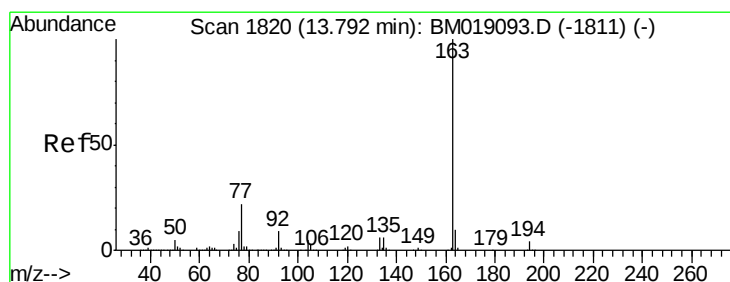
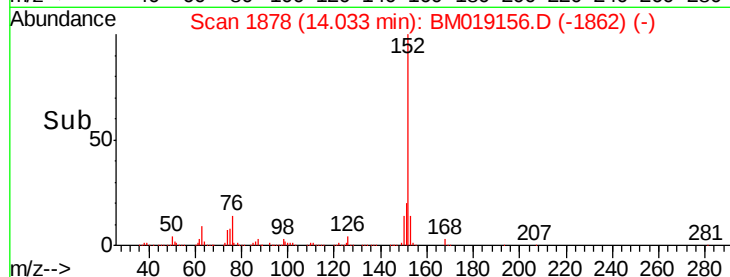
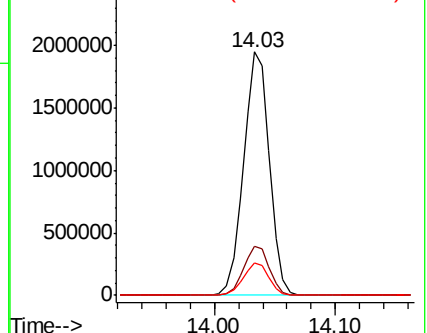
153 13.5 10.6 15.8



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 52.317 ng

RT: 13.79 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

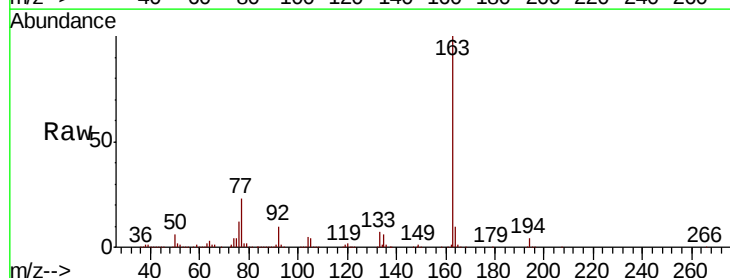
Tgt Ion:163 Resp: 2638480

Ion Ratio Lower Upper

163 100

194 4.1 3.3 4.9

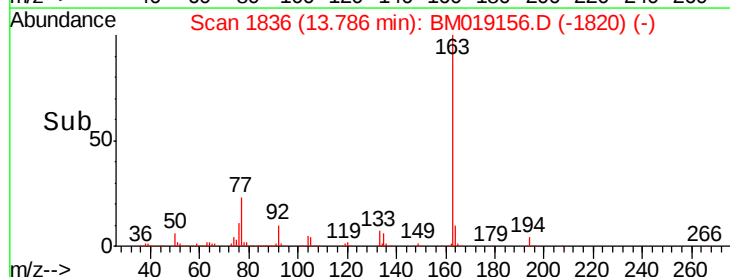
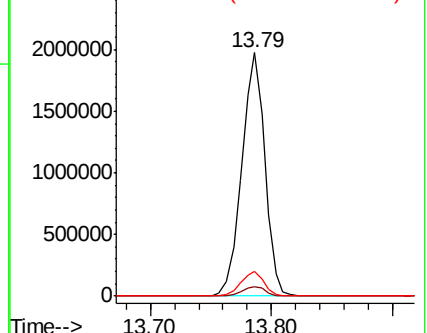
164 10.1 7.7 11.5

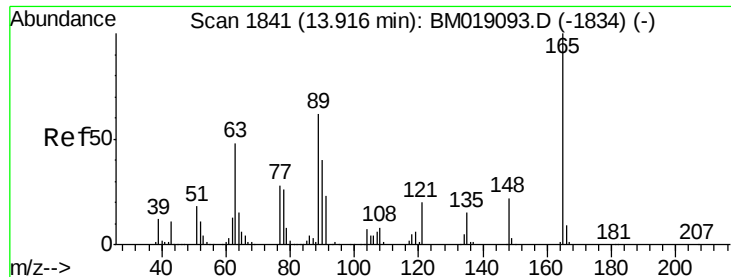


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

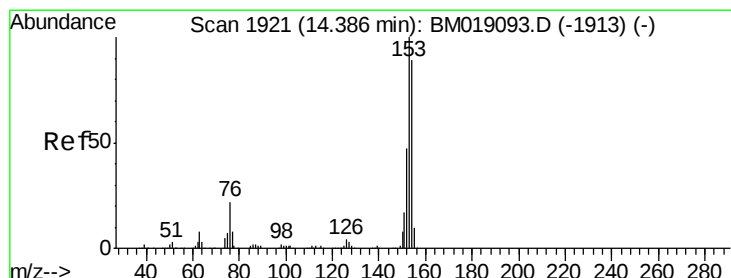
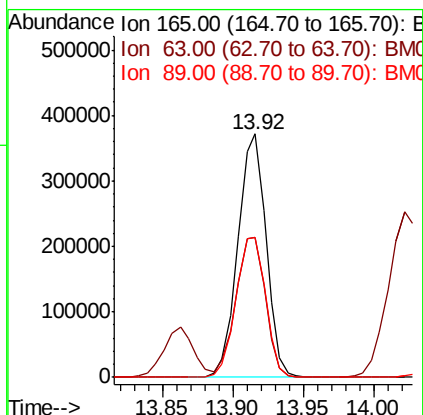
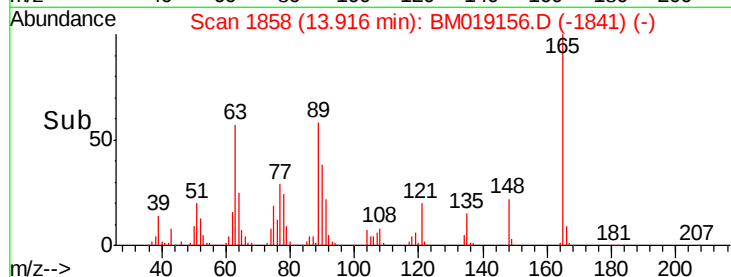
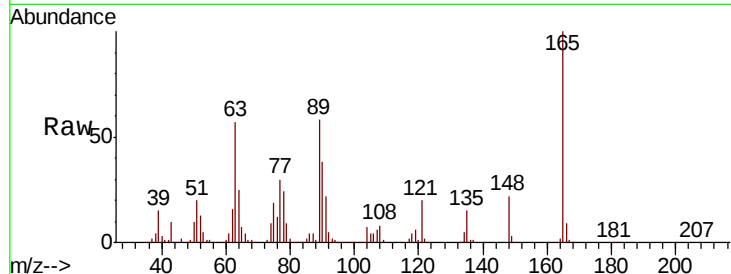




#51  
 2,6-Dinitrotoluene  
 Concen: 47.627 ng  
 RT: 13.92 min Scan# 1858  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

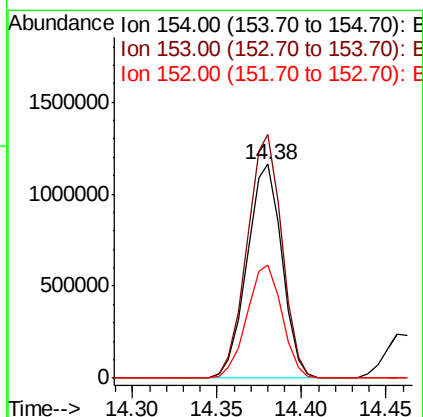
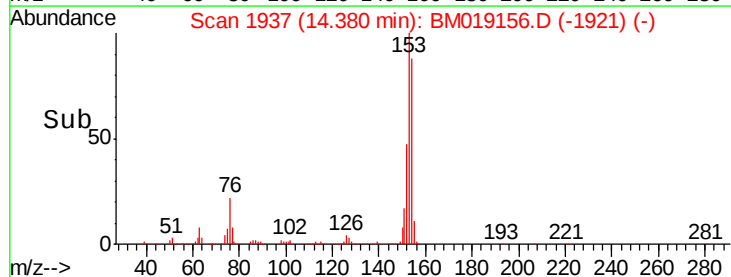
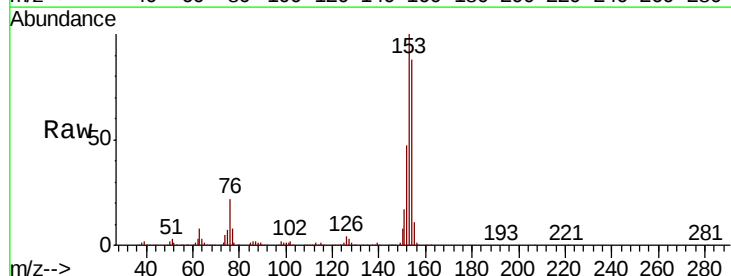
Instrument :  
 BNA\_M  
 ClientSampled :

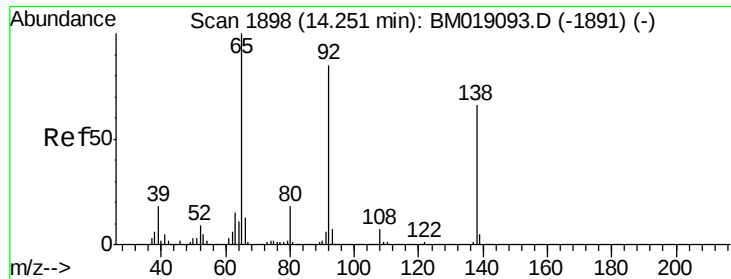
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 57.2  | 48.2  | 72.4  |
| 89      | 57.7  | 49.3  | 73.9  |



#52  
 Acenaphthene  
 Concen: 44.784 ng  
 RT: 14.38 min Scan# 1937  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 113.7 | 90.1  | 135.1 |
| 152     | 53.0  | 42.5  | 63.7  |

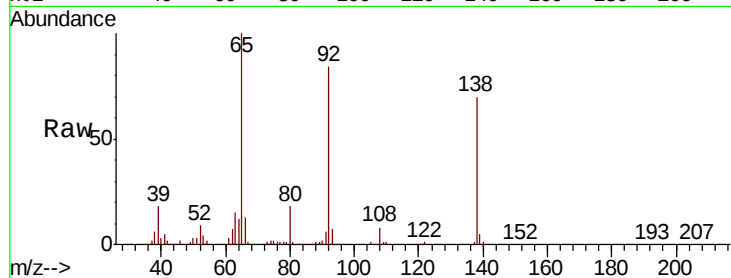




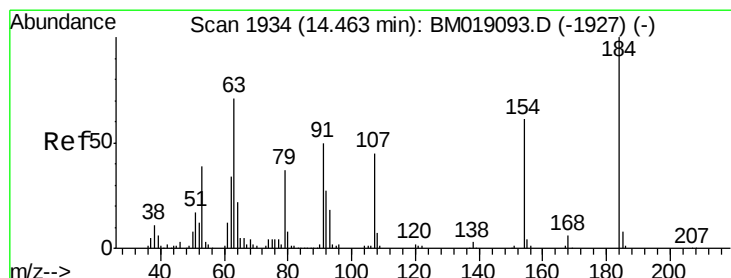
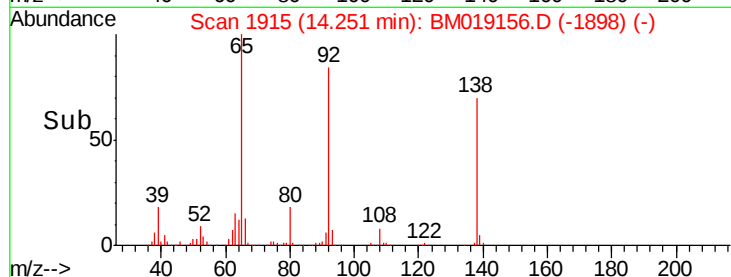
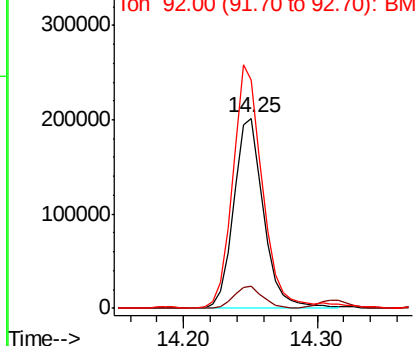
#53  
3-Nitroaniline  
Concen: 27.135 ng  
RT: 14.25 min Scan# 1915  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:138 Resp: 313312  
Ion Ratio Lower Upper  
138 100  
108 11.4 9.0 13.4  
92 120.5 102.6 153.8

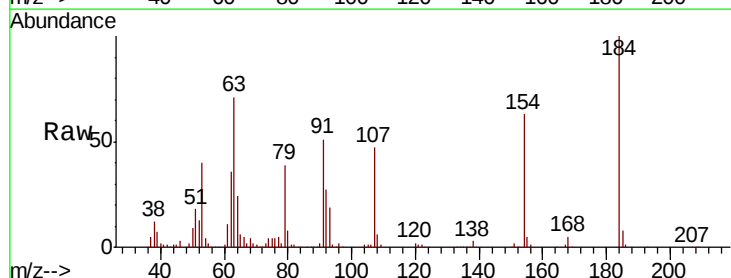


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BM

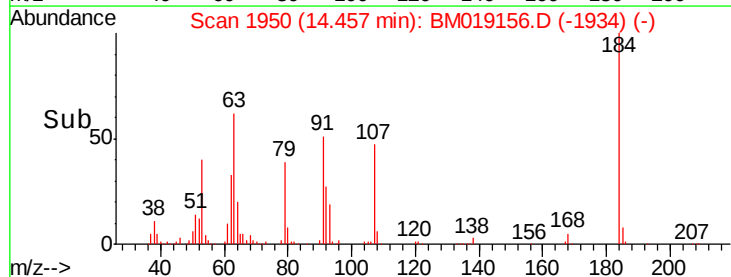
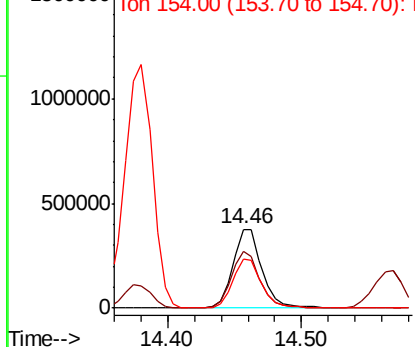


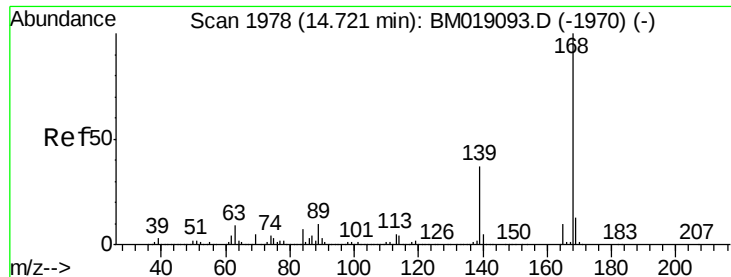
#54  
2,4-Dinitrophenol  
Concen: 89.681 ng  
RT: 14.46 min Scan# 1950  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:184 Resp: 567801  
Ion Ratio Lower Upper  
184 100  
63 71.5 56.7 85.1  
154 63.2 49.3 73.9



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BM  
Ion 154.00 (153.70 to 154.70): E

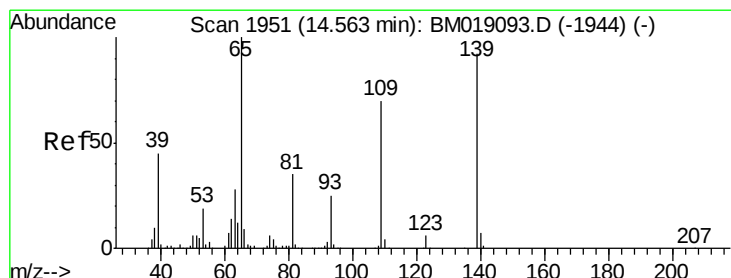
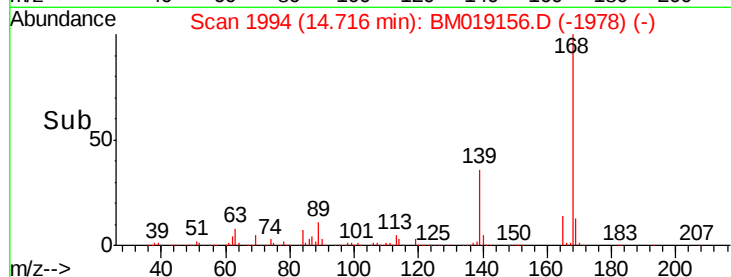
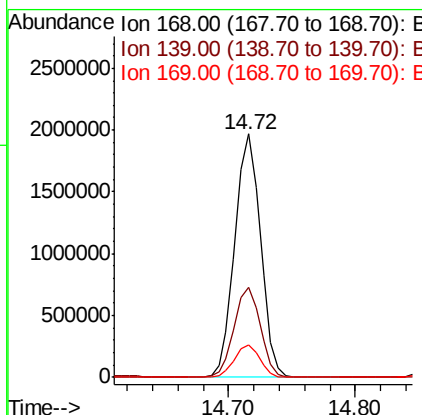
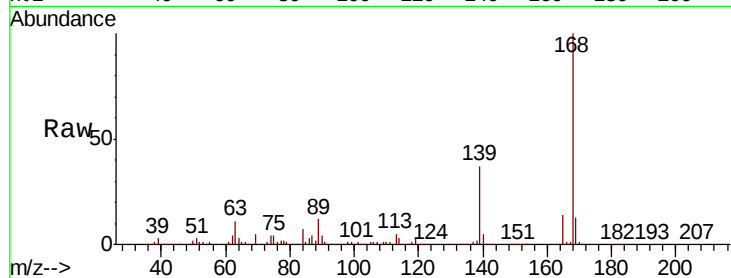




#55  
Dibenzofuran  
Concen: 45.885 ng  
RT: 14.72 min Scan# 1994  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

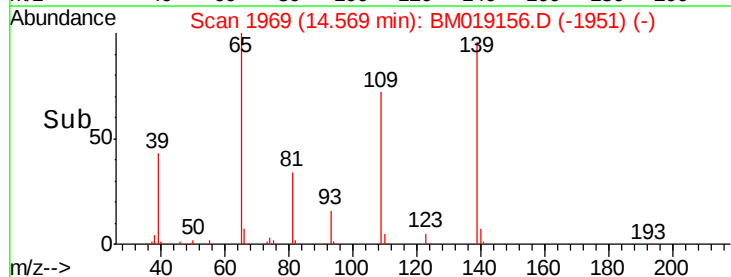
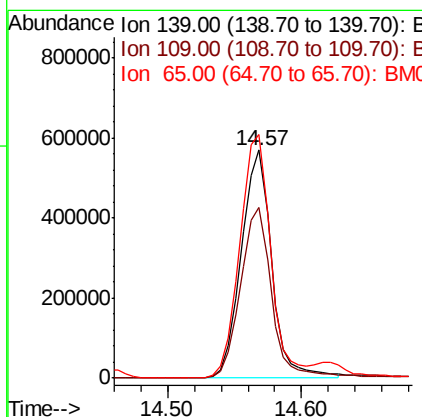
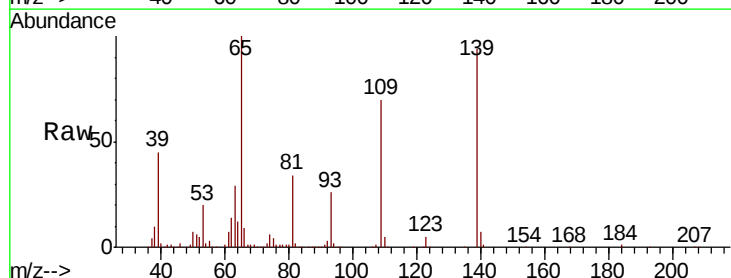
Instrument :  
BNA\_M  
ClientSampleId :

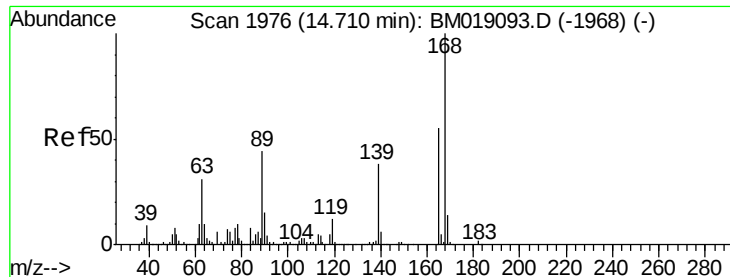
Tot Ion:168 Resp: 2762931  
Ion Ratio Lower Upper  
168 100  
139 36.9 30.1 45.1  
169 13.3 10.6 16.0



#56  
4-Nitrophenol  
Concen: 95.372 ng  
RT: 14.57 min Scan# 1969  
Delta R.T. 0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:139 Resp: 899109  
Ion Ratio Lower Upper  
139 100  
109 75.0 56.3 96.3  
65 106.9 89.2 129.2

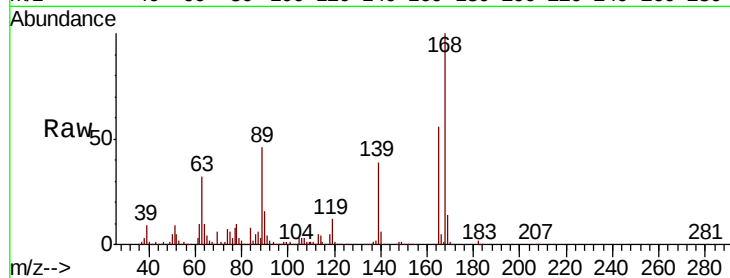




#57  
2,4-Dinitrotoluene  
Concen: 47.160 ng  
RT: 14.70 min Scan# 1992  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 56.2  | 44.7  | 67.1  |
| 89      | 81.6  | 63.4  | 95.2  |
| 182     | 2.9   | 2.3   | 3.5   |



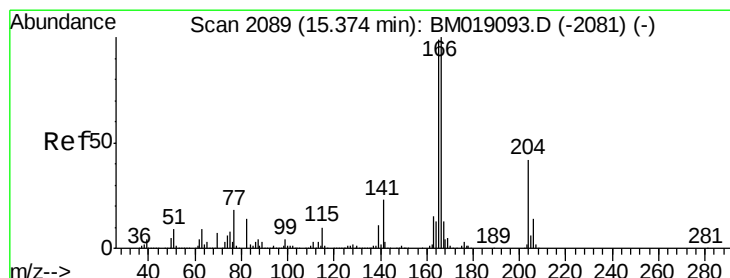
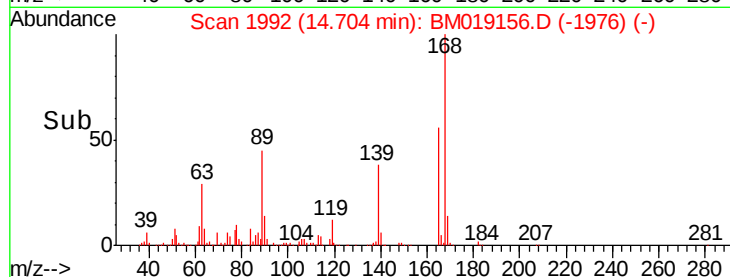
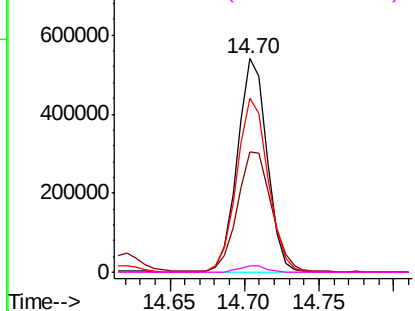
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

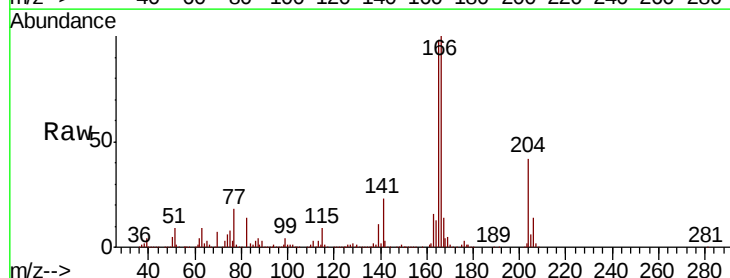
Ion 89.00 (88.70 to 89.70): BM

Ion 182.00 (181.70 to 182.70): E



#58  
Fluorene  
Concen: 45.964 ng  
RT: 15.37 min Scan# 2105  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 97.8  | 79.0  | 118.4 |
| 167     | 13.6  | 10.8  | 16.2  |

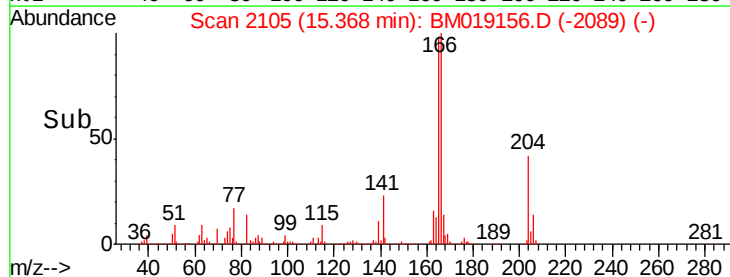
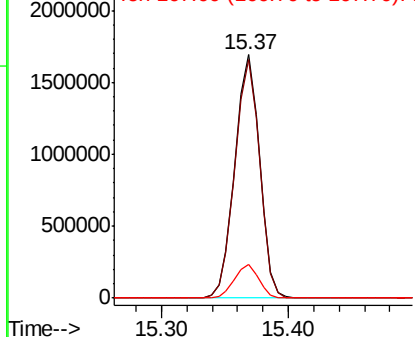


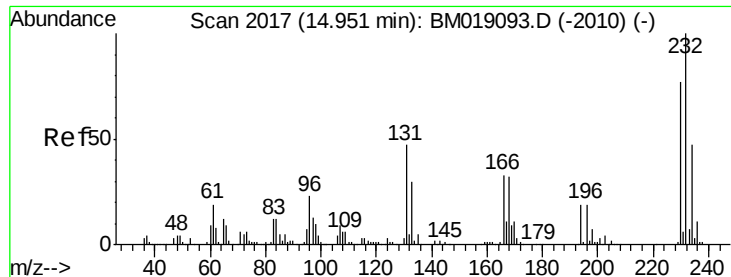
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

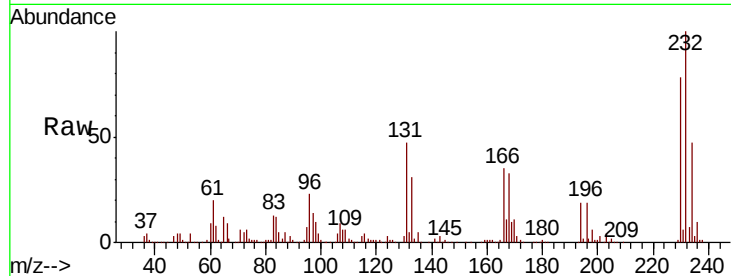




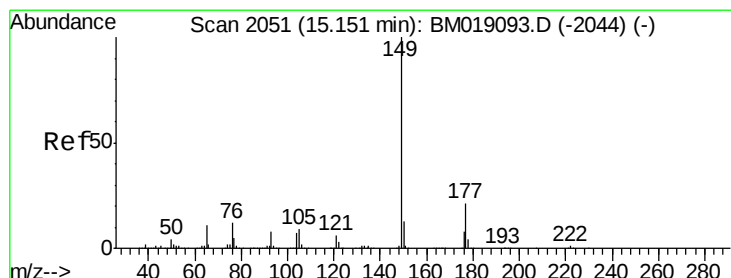
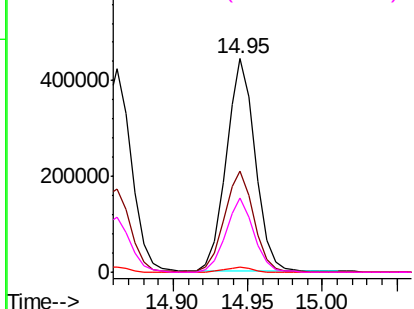
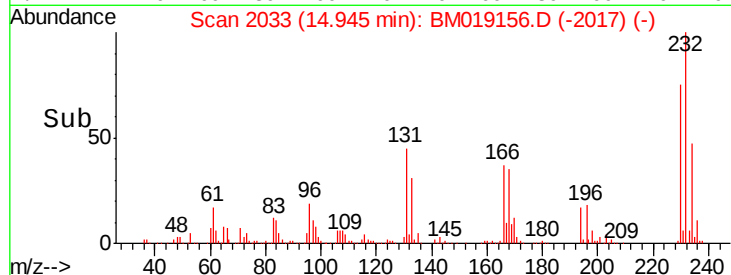
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 50.104 ng  
RT: 14.95 min Scan# 2033  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:232 Resp: 601112  
Ion Ratio Lower Upper  
232 100  
131 47.8 38.2 57.2  
130 2.6 1.9 2.9  
166 33.6 27.0 40.4

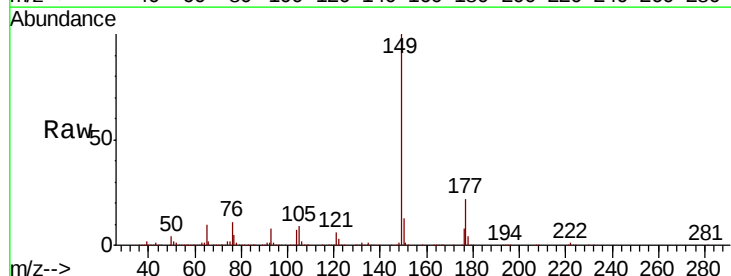


Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E

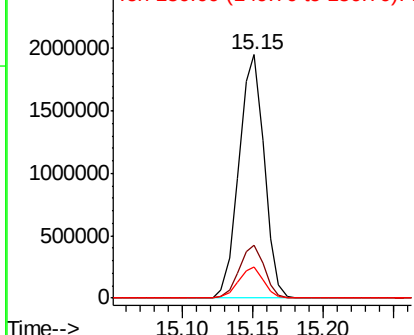
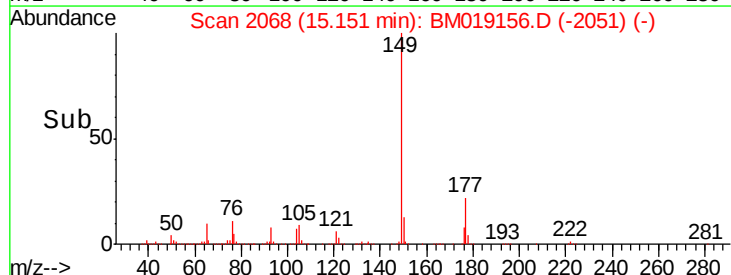


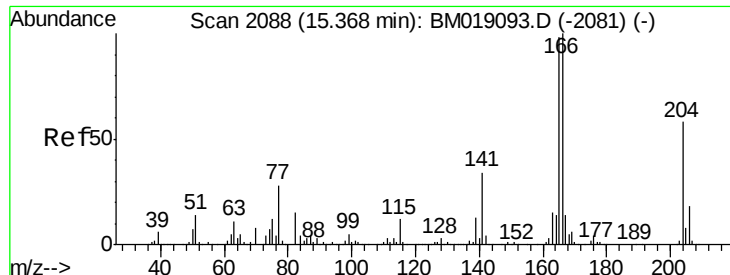
#60  
Diethylphthalate  
Concen: 47.829 ng  
RT: 15.15 min Scan# 2068  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:149 Resp: 2442961  
Ion Ratio Lower Upper  
149 100  
177 22.0 17.0 25.6  
150 12.5 10.2 15.4



Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 177.00 (176.70 to 177.70): E  
Ion 150.00 (149.70 to 150.70): E



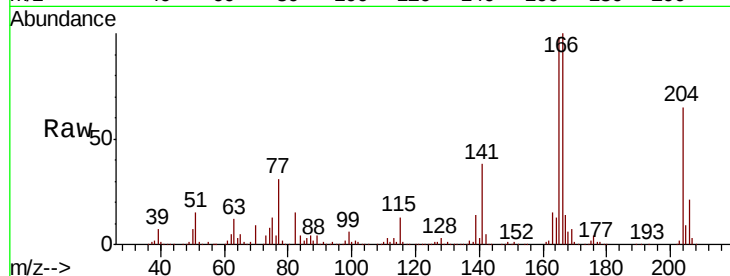


#61  
 4-Chlorophenyl-phenylether  
 Concen: 46.579 ng  
 RT: 15.36 min Scan# 2104  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

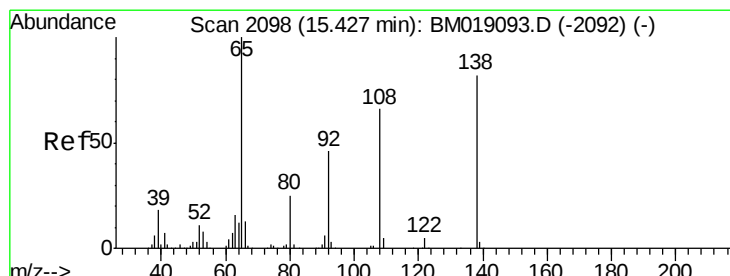
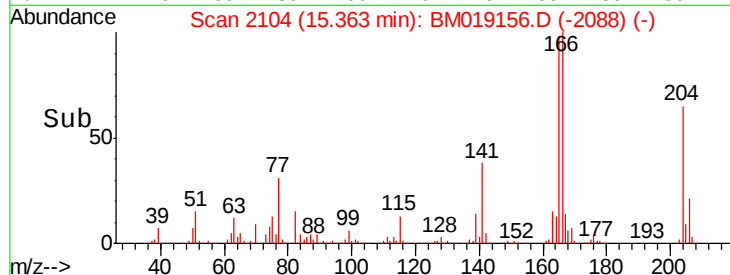
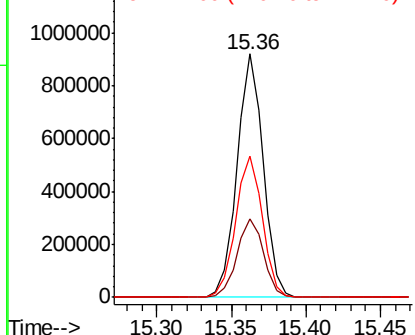
Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:204 Resp: 1122843  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 204 | 100   |       |       |
| 206 | 32.2  | 25.5  | 38.3  |
| 141 | 58.1  | 47.8  | 71.8  |



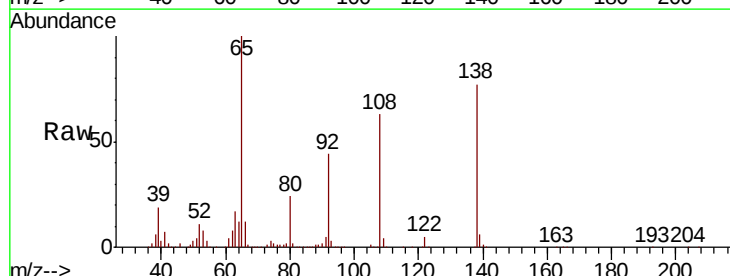
Abundance Ion 204.00 (203.70 to 204.70): E  
 Ion 206.00 (205.70 to 206.70): E  
 Ion 141.00 (140.70 to 141.70): E



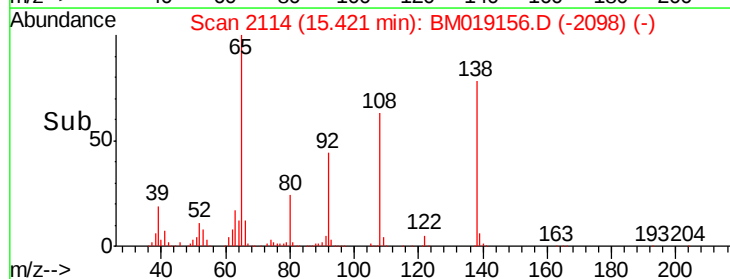
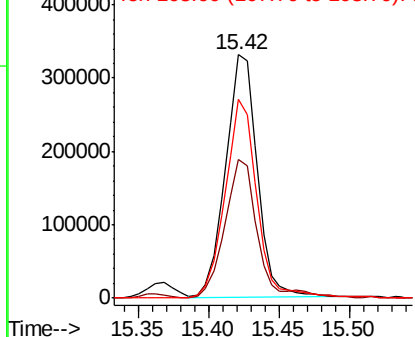
#62  
 4-Nitroaniline  
 Concen: 44.361 ng  
 RT: 15.42 min Scan# 2114  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

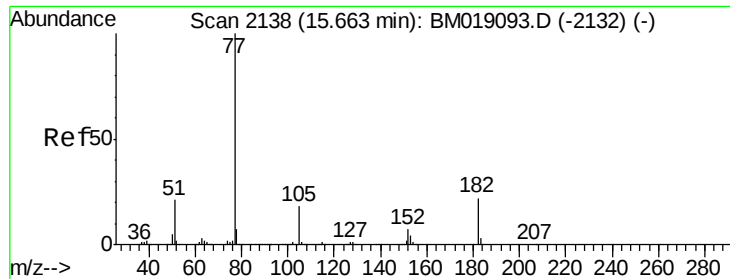
Tgt Ion:138 Resp: 516205  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 92  | 57.0  | 36.2  | 76.2  |
| 108 | 81.6  | 59.7  | 99.7  |



Abundance Ion 138.00 (137.70 to 138.70): E  
 Ion 92.00 (91.70 to 92.70): BM0  
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 47.818 ng

RT: 15.66 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

Tot Ion: 77 Resp: 2570093

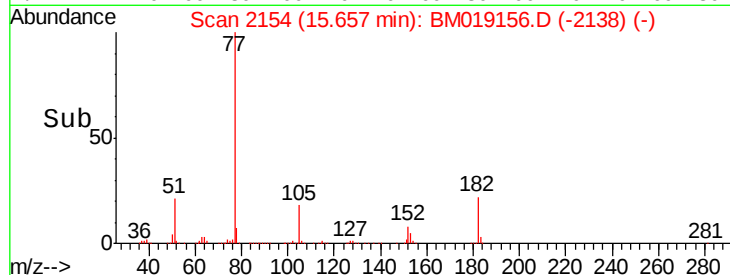
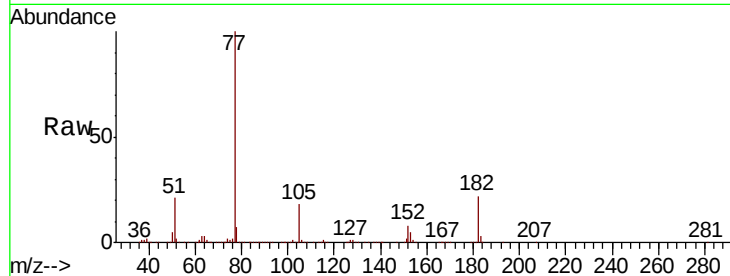
Ion Ratio Lower Upper

77 100

182 21.6 1.8 41.8

105 18.1 0.0 38.3

51 20.8 0.8 40.8

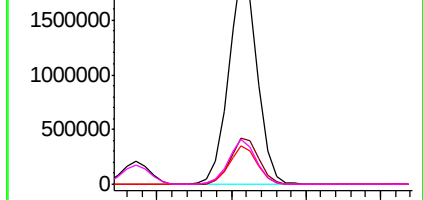


Abundance Ion 77.00 (76.70 to 77.70): BM019156.D (-2138) (-)

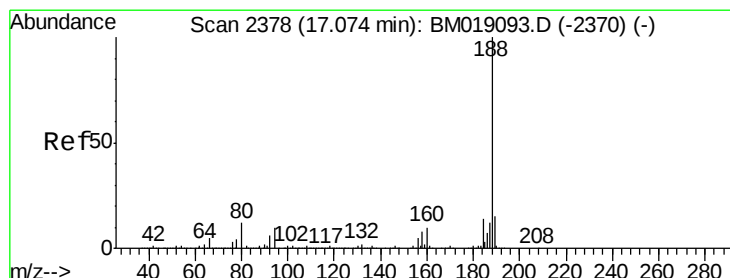
Ion 182.00 (181.70 to 182.70): BM019156.D (-2138) (-)

Ion 105.00 (104.70 to 105.70): BM019156.D (-2138) (-)

Ion 51.00 (50.70 to 51.70): BM019156.D (-2138) (-)



Time-->



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

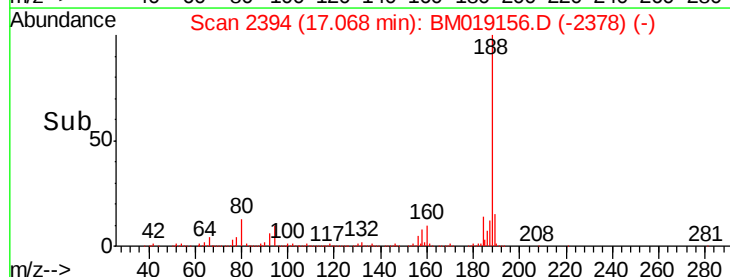
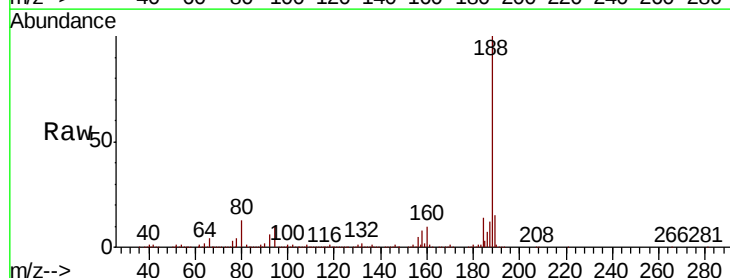
Tgt Ion: 188 Resp: 1334504

Ion Ratio Lower Upper

188 100

94 10.0 8.1 12.1

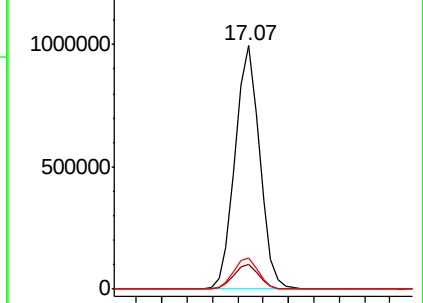
80 12.8 9.7 14.5



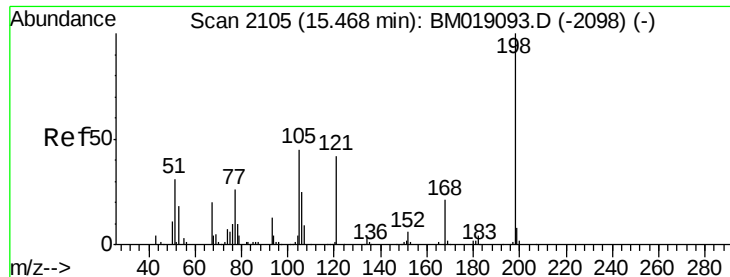
Abundance Ion 188.00 (187.70 to 188.70): BM019156.D (-2378) (-)

Ion 94.00 (93.70 to 94.70): BM019156.D (-2378) (-)

Ion 80.00 (79.70 to 80.70): BM019156.D (-2378) (-)



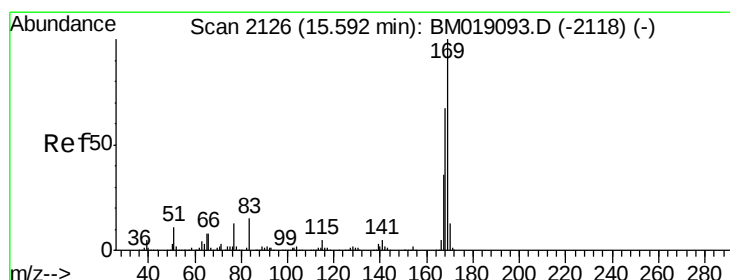
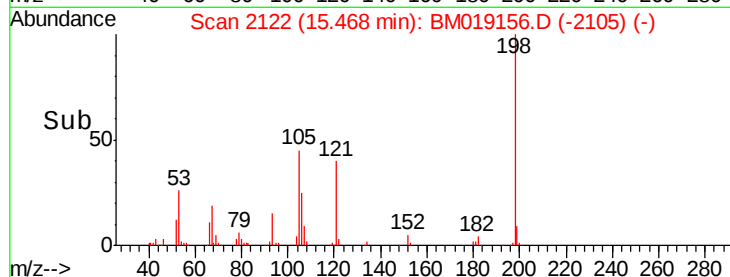
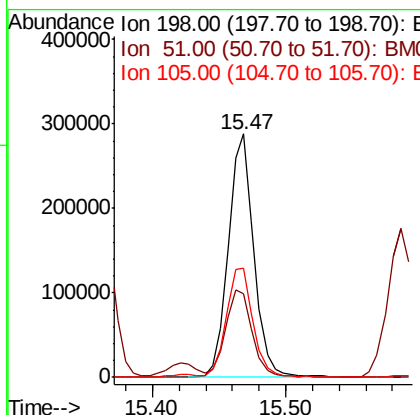
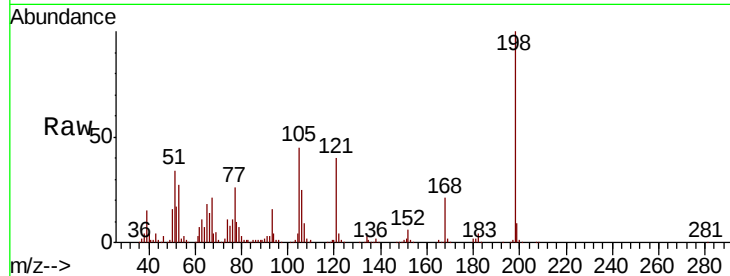
Time-->



#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 44.130 ng  
 RT: 15.47 min Scan# 2122  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

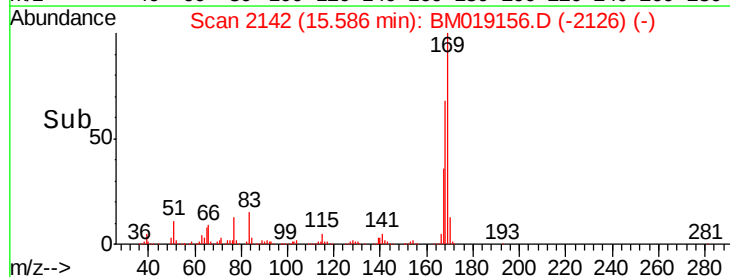
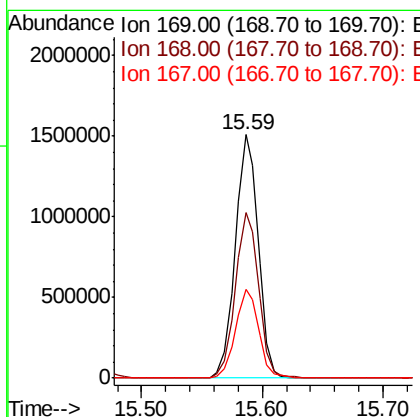
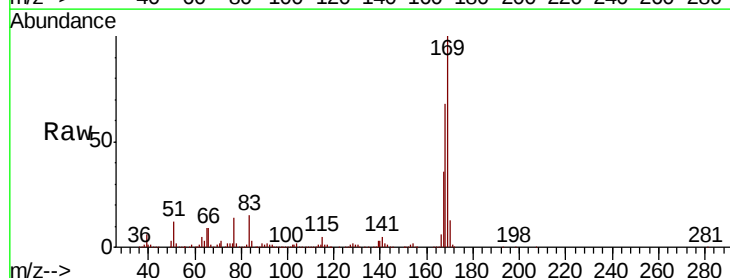
Instrument :  
 BNA\_M  
 ClientSampleId :

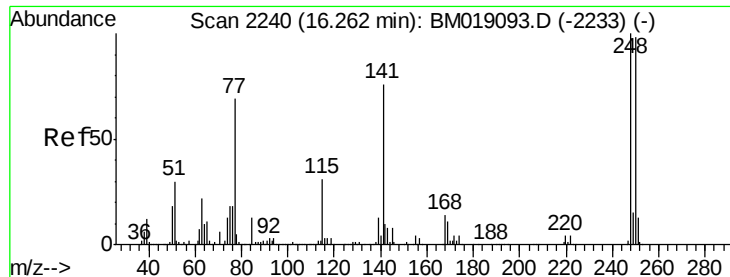
Tot Ion:198 Resp: 385911  
 Ion Ratio Lower Upper  
 198 100  
 51 34.3 17.3 57.3  
 105 44.8 26.2 66.2



#66  
 n-Nitrosodiphenylamine  
 Concen: 47.002 ng  
 RT: 15.59 min Scan# 2142  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion:169 Resp: 1996947  
 Ion Ratio Lower Upper  
 169 100  
 168 68.2 53.9 80.9  
 167 36.4 28.8 43.2

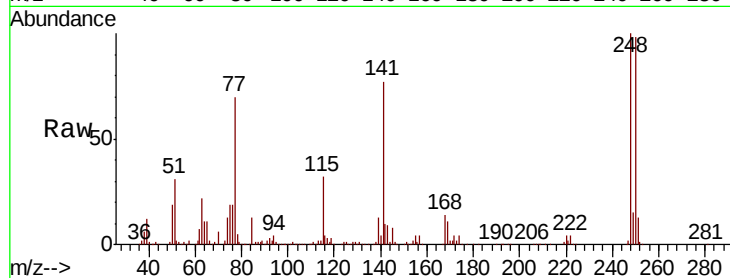




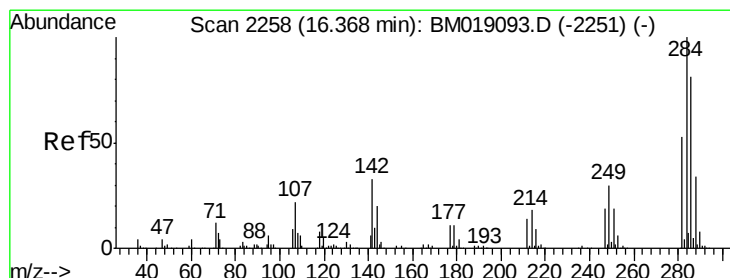
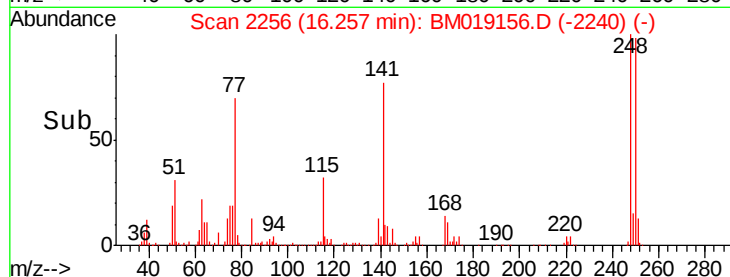
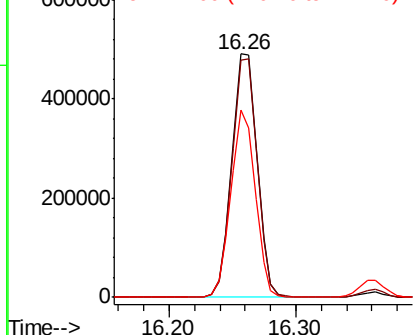
#67  
4-Bromophenyl-phenylether  
Concen: 45.959 ng  
RT: 16.26 min Scan# 2256  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Instrument :  
BNA\_M  
ClientSampleId :

Tot Ion:248 Resp: 676344  
Ion Ratio Lower Upper  
248 100  
250 97.6 78.0 117.0  
141 76.9 61.0 91.4

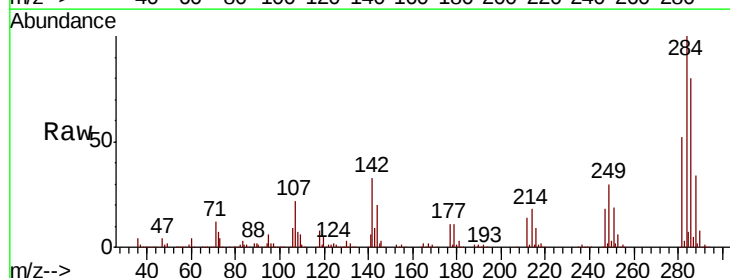


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

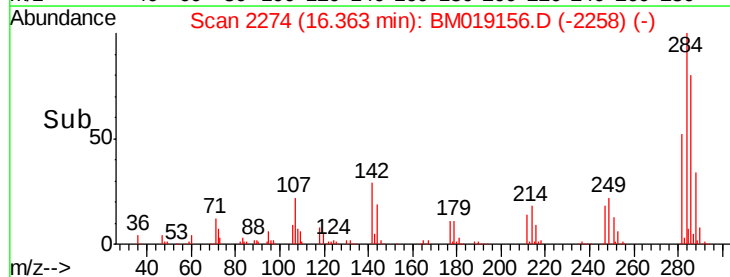
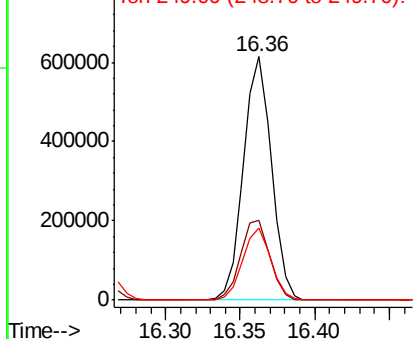


#68  
Hexachlorobenzene  
Concen: 45.571 ng  
RT: 16.36 min Scan# 2274  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:284 Resp: 797301  
Ion Ratio Lower Upper  
284 100  
142 32.6 26.3 39.5  
249 29.5 24.1 36.1



Abundance Ion 283.80 (283.50 to 284.50): E  
Ion 142.00 (141.70 to 142.70): E  
Ion 249.00 (248.70 to 249.70): E

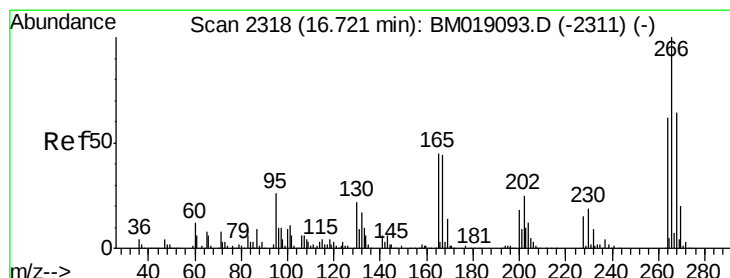
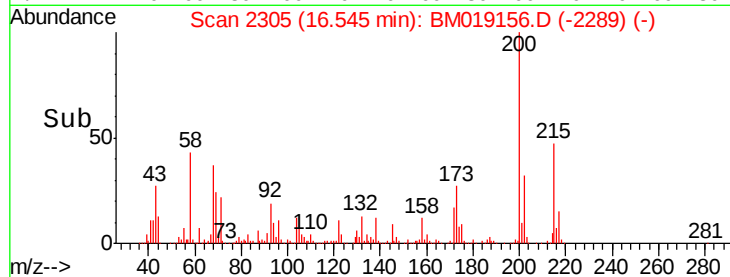
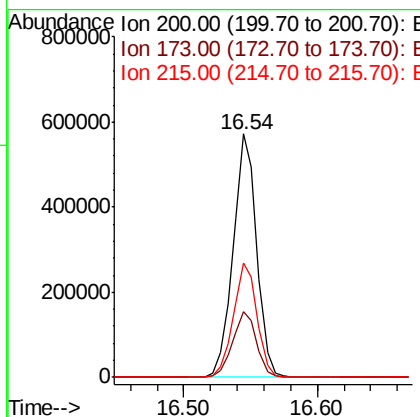
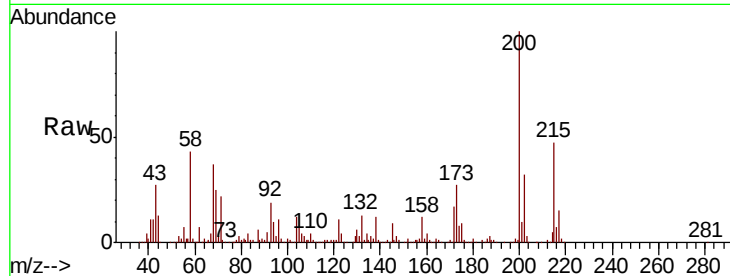




#69  
 Atrazine  
 Concen: 49.183 ng  
 RT: 16.54 min Scan# 2305  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

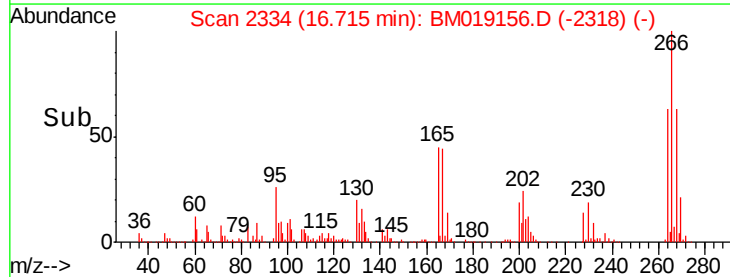
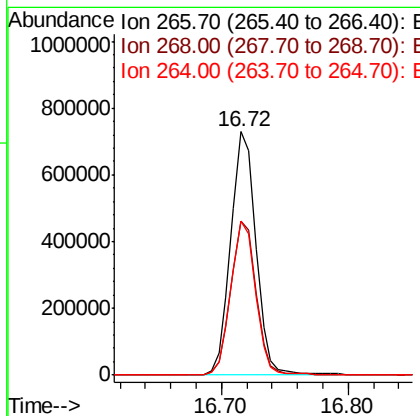
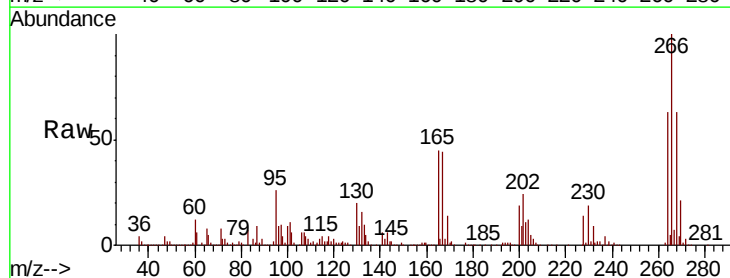
Instrument :  
 BNA\_M  
 ClientSampleId :

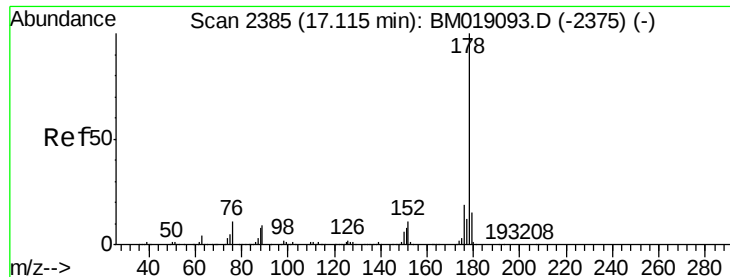
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 27.1  | 7.0   | 47.0  |
| 215     | 46.8  | 27.7  | 67.7  |



#70  
 Pentachlorophenol  
 Concen: 95.065 ng  
 RT: 16.72 min Scan# 2334  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 63.5  | 51.3  | 76.9  |
| 264     | 63.1  | 50.0  | 75.0  |

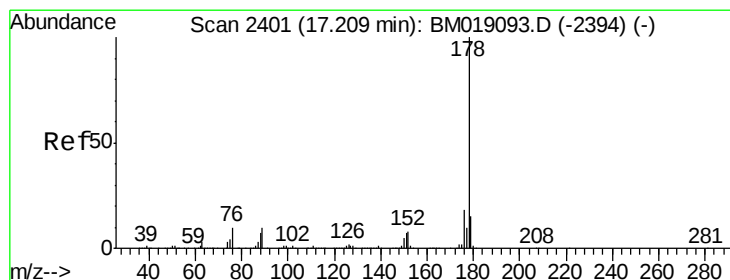
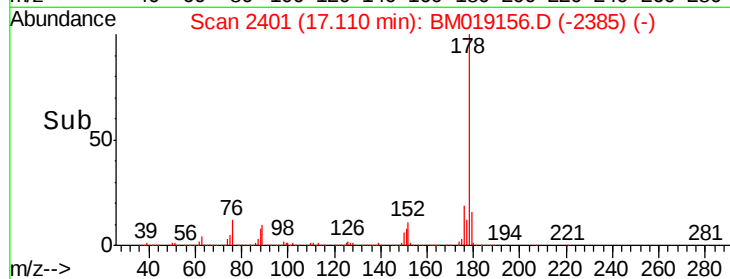
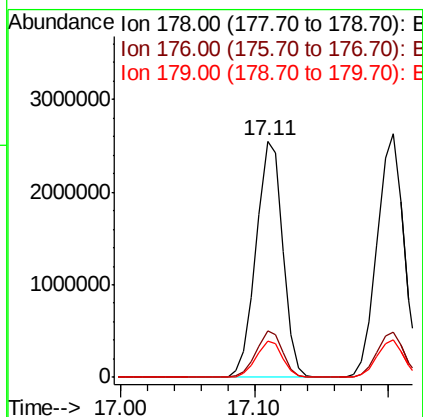
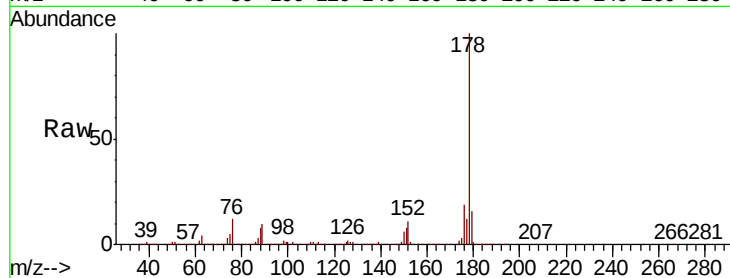




#71  
Phenanthrene  
Concen: 44.808 ng  
RT: 17.11 min Scan# 2401  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

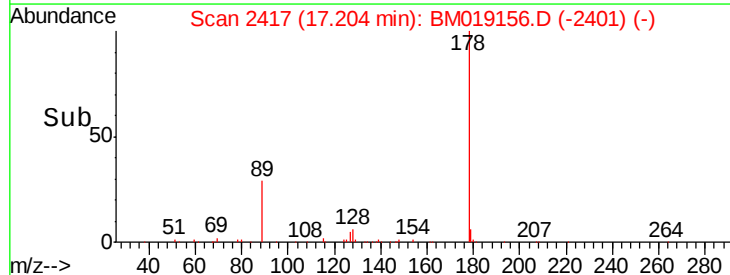
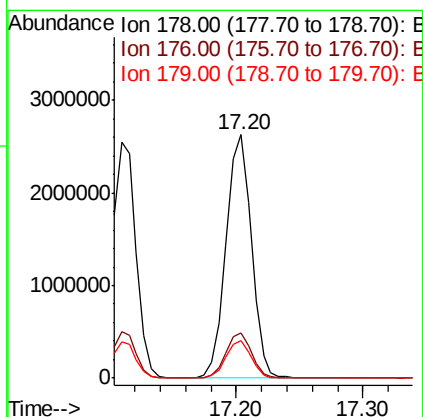
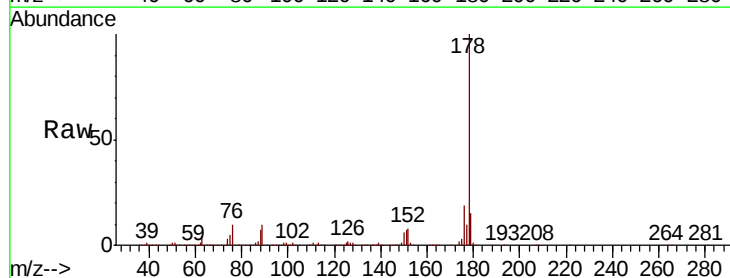
Instrument :  
BNA\_M  
ClientSampleId :

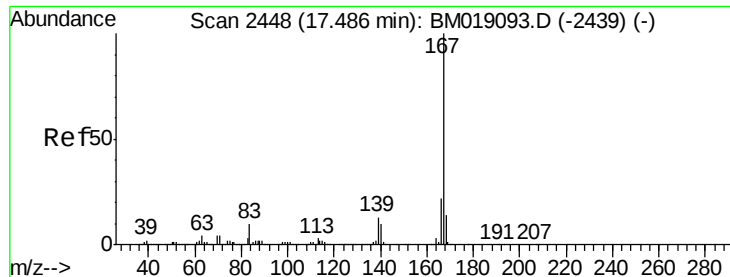
Tot Ion:178 Resp: 3504862  
Ion Ratio Lower Upper  
178 100  
176 19.4 15.3 22.9  
179 15.5 12.2 18.2



#72  
Anthracene  
Concen: 47.310 ng  
RT: 17.20 min Scan# 2417  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:178 Resp: 3622742  
Ion Ratio Lower Upper  
178 100  
176 18.5 14.6 22.0  
179 15.3 11.9 17.9

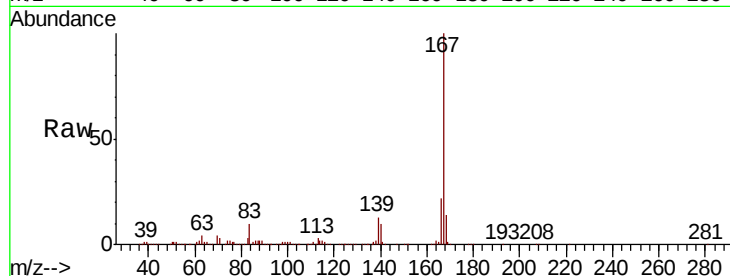




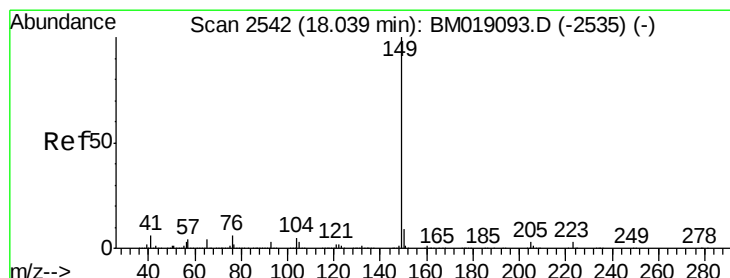
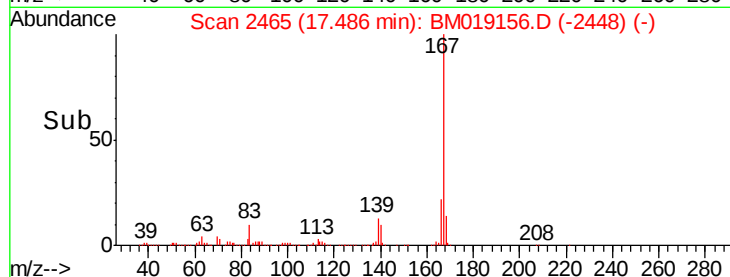
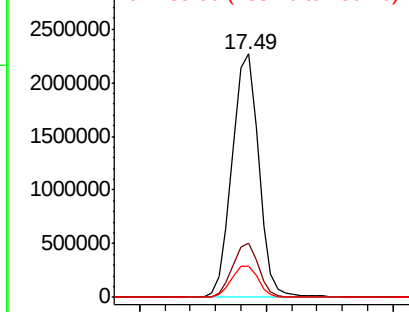
#73  
 Carbazole  
 Concen: 45.786 ng  
 RT: 17.49 min Scan# 2465  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Instrument :  
 BNA\_M  
 ClientSampleId :

Tot Ion:167 Resp: 3309072  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.8 26.8  
 139 13.0 10.5 15.7

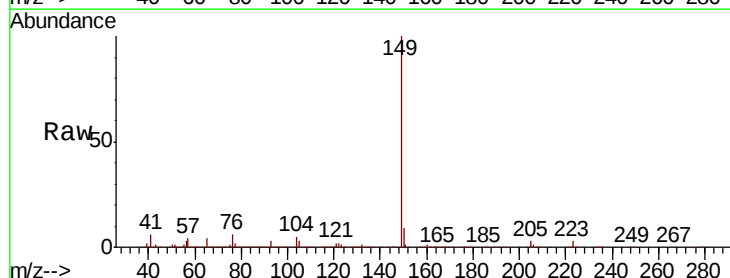


Abundance Ion 167.00 (166.70 to 167.70): E  
 Ion 166.00 (165.70 to 166.70): E  
 Ion 139.00 (138.70 to 139.70): E

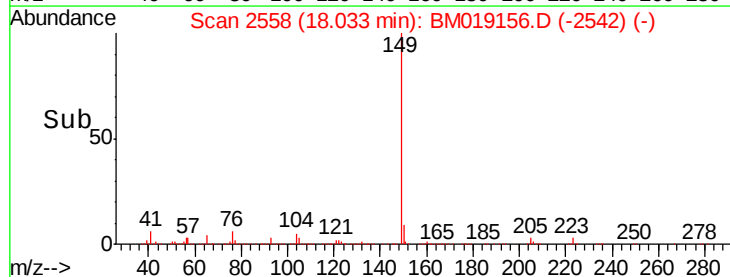
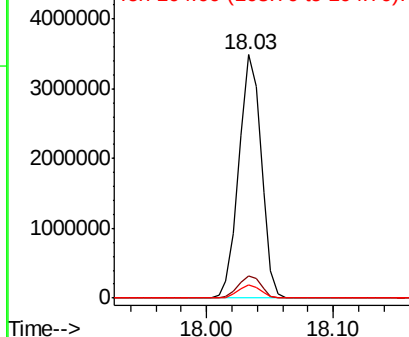


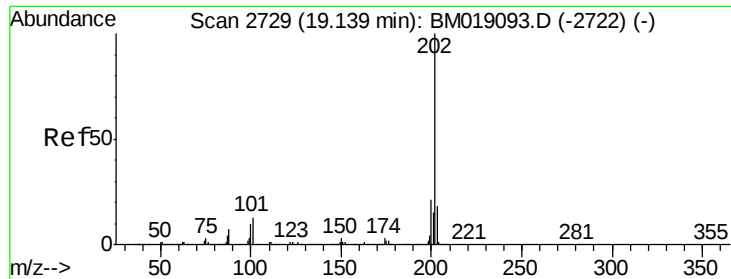
#74  
 Di-n-butylphthalate  
 Concen: 48.780 ng  
 RT: 18.03 min Scan# 2558  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion:149 Resp: 4263146  
 Ion Ratio Lower Upper  
 149 100  
 150 9.3 7.4 11.0  
 104 5.3 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 44.704 ng

RT: 19.13 min Scan# 2745

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

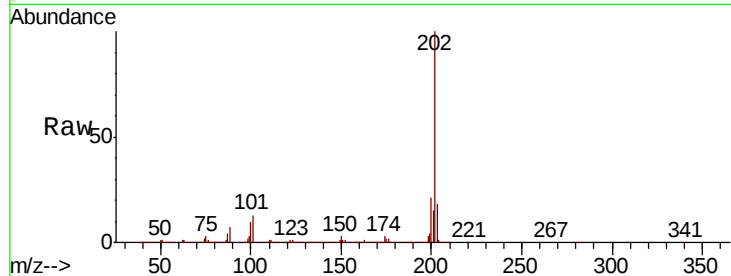
Tot Ion:202 Resp: 4012392

Ion Ratio Lower Upper

202 100

101 13.2 0.0 33.0

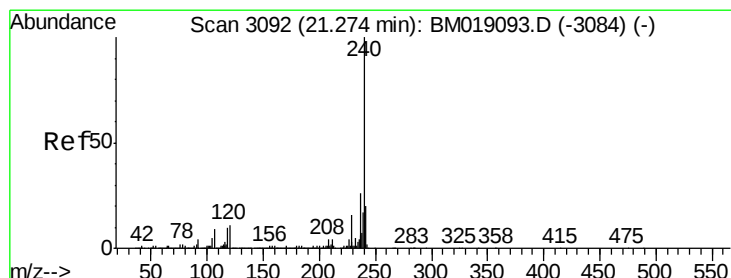
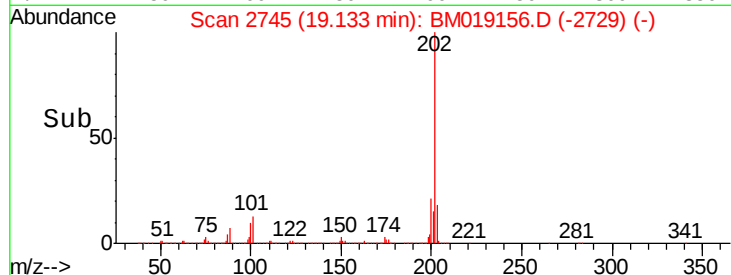
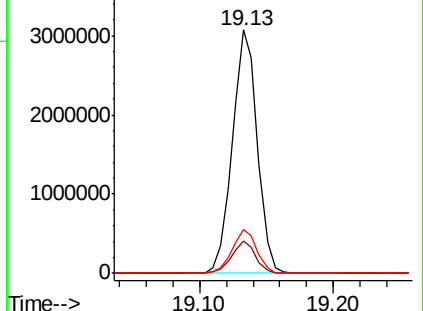
203 17.8 0.0 37.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.27 min Scan# 3108

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

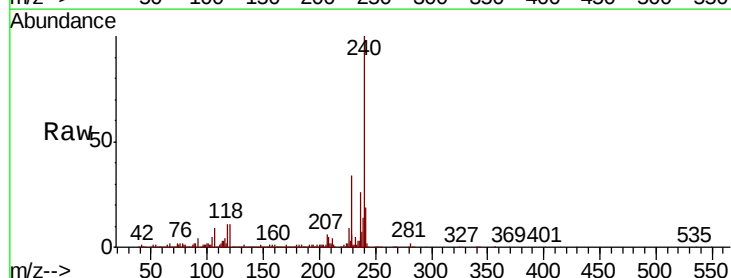
Tgt Ion:240 Resp: 1299861

Ion Ratio Lower Upper

240 100

120 11.4 8.9 13.3

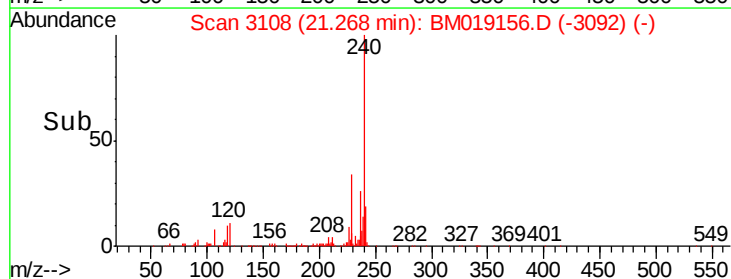
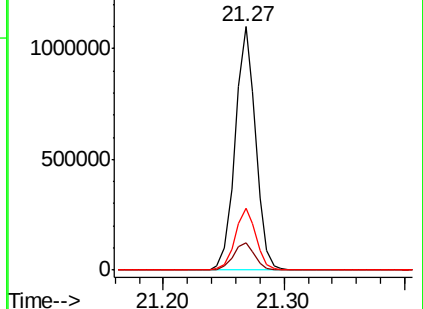
236 25.6 21.0 31.4

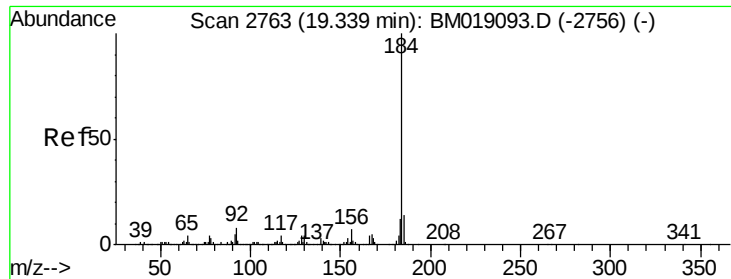


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 21.319 ng

RT: 19.34 min Scan# 2780

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

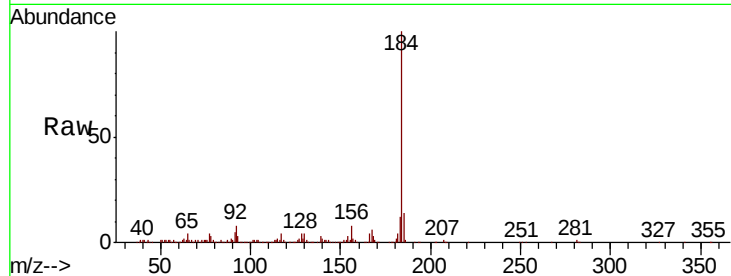
Tot Ion:184 Resp: 785904

Ion Ratio Lower Upper

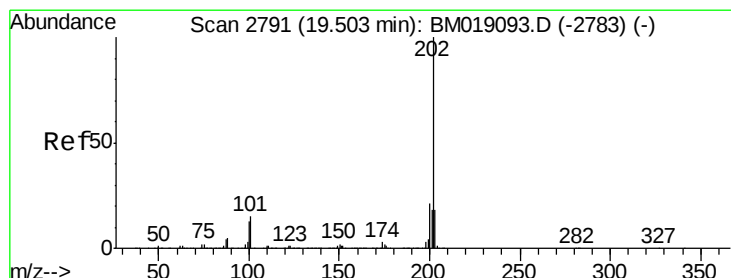
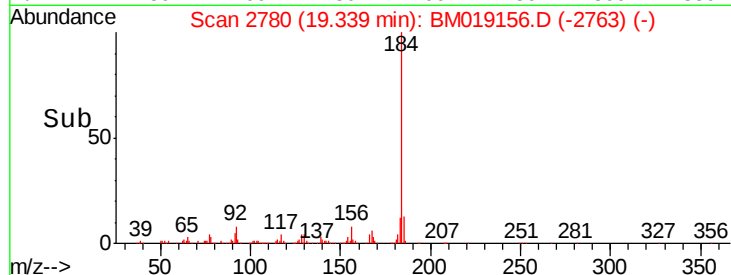
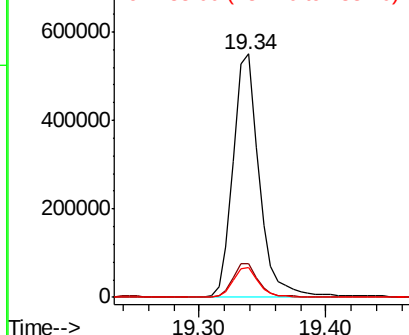
184 100

185 13.8 11.0 16.4

183 12.1 9.8 14.6



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 185.00 (184.70 to 185.70): E  
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 49.178 ng

RT: 19.50 min Scan# 2807

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

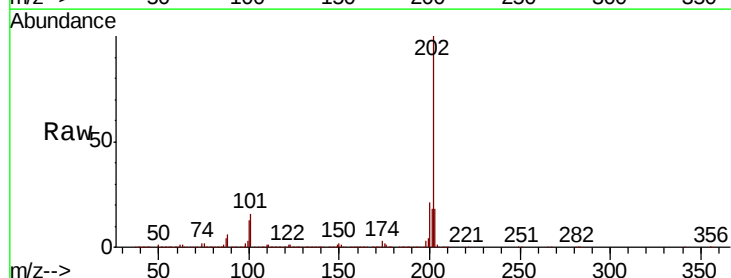
Tgt Ion:202 Resp: 4044538

Ion Ratio Lower Upper

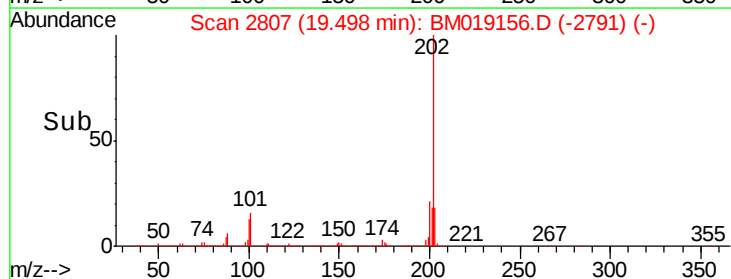
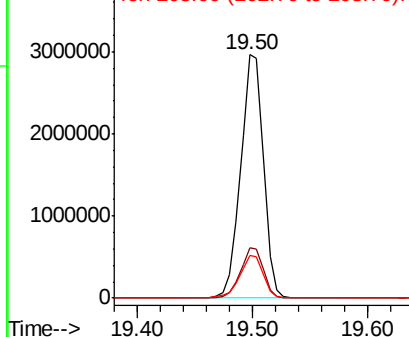
202 100

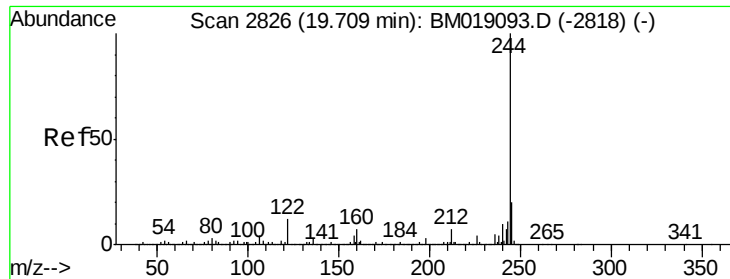
200 20.8 16.9 25.3

203 17.6 14.0 21.0



Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E

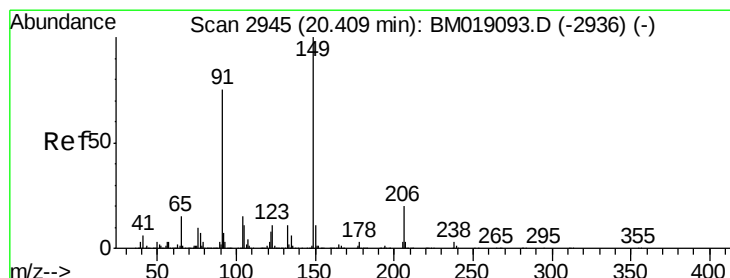
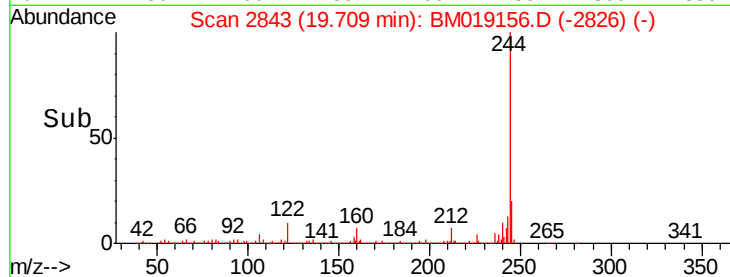
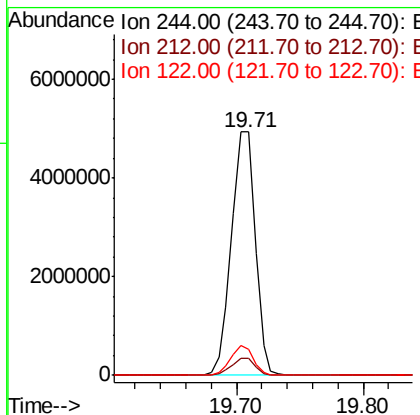
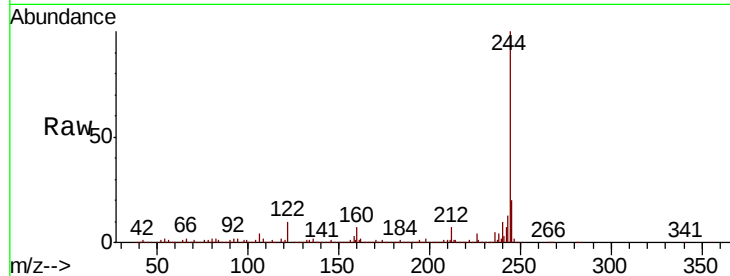




#79  
 Terphenyl-d14  
 Concen: 98.232 ng  
 RT: 19.71 min Scan# 2843  
 Delta R.T. 0.00 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

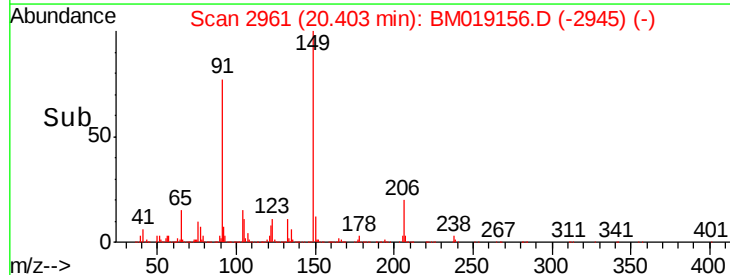
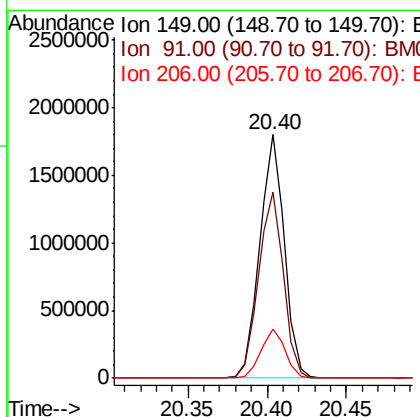
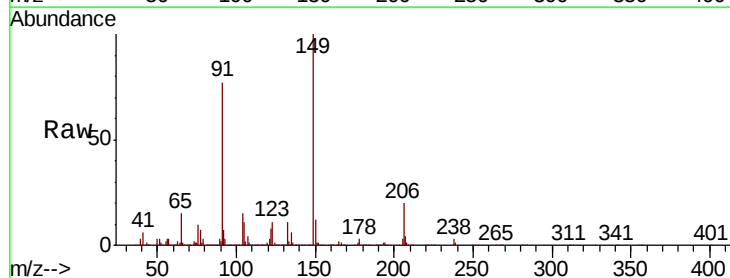
Instrument :  
 BNA\_M  
 ClientSampleId :

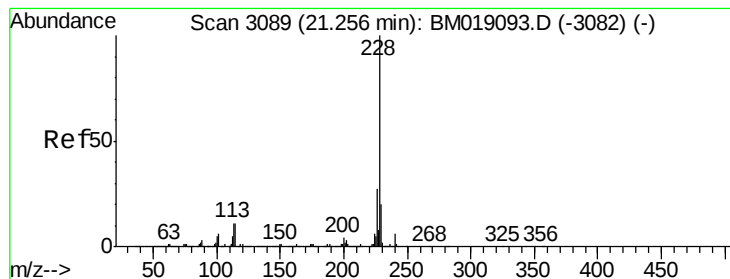
Tot Ion:244 Resp: 6431928  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.4 8.2  
 122 10.5 9.4 14.2



#80  
 Butylbenzylphthalate  
 Concen: 54.303 ng  
 RT: 20.40 min Scan# 2961  
 Delta R.T. -0.01 min  
 Lab File: BM019156.D  
 Acq: 13 Mar 2019 21:19

Tgt Ion:149 Resp: 1945221  
 Ion Ratio Lower Upper  
 149 100  
 91 76.6 60.1 90.1  
 206 20.2 16.2 24.2





#81

Benzo(a)anthracene

Concen: 44.323 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

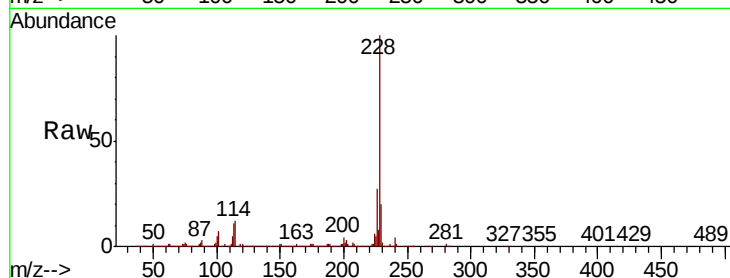
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 3614471

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 27.1  | 21.8  | 32.8  |
| 229 | 20.2  | 15.8  | 23.6  |

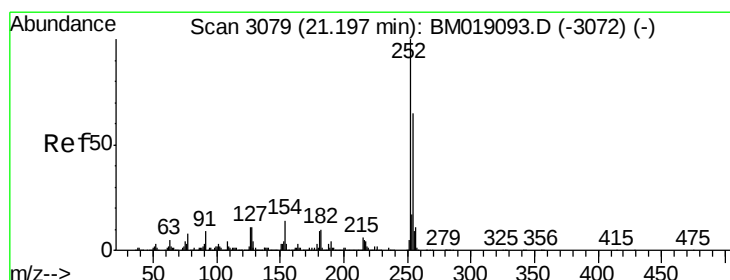
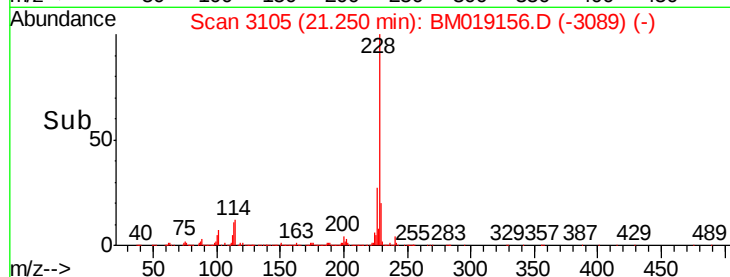
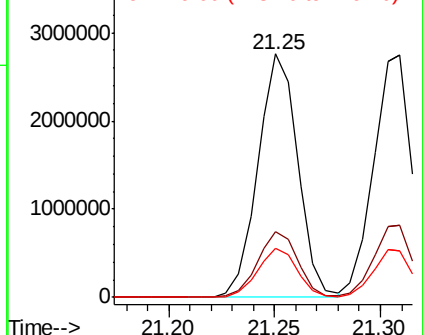


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 24.653 ng

RT: 21.19 min Scan# 3095

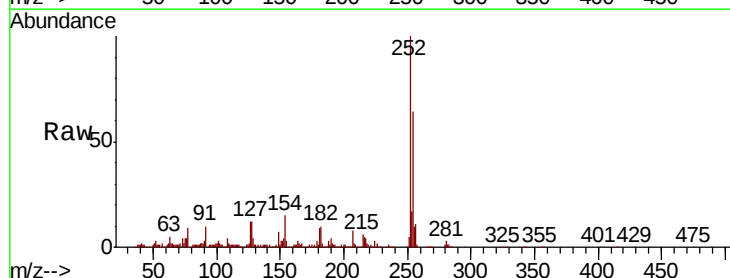
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Tgt Ion:252 Resp: 774483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 254 | 63.8  | 52.4  | 78.6  |
| 126 | 11.5  | 9.0   | 13.6  |

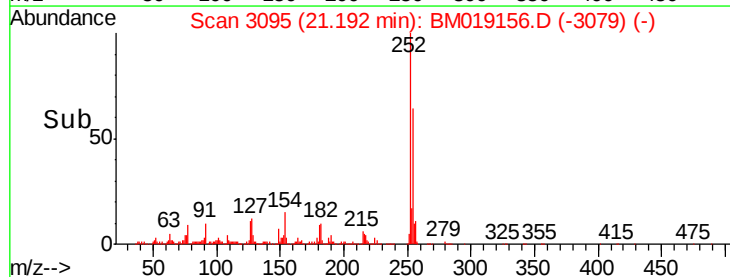
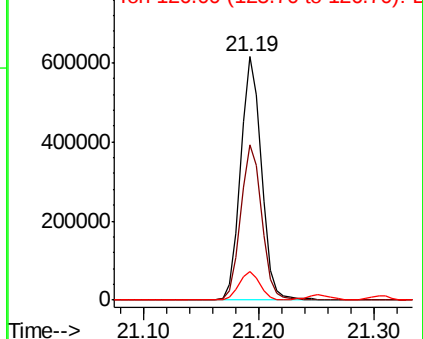


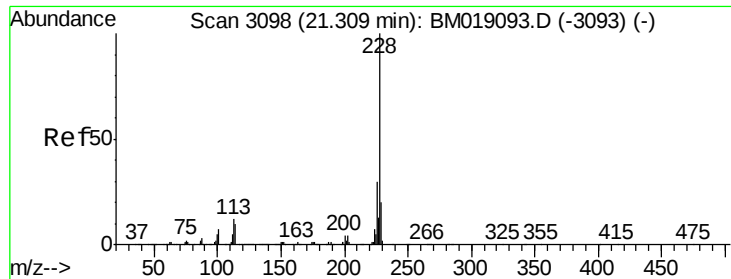
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#83

Chrysene

Concen: 43.646 ng

RT: 21.31 min Scan# 3115

Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

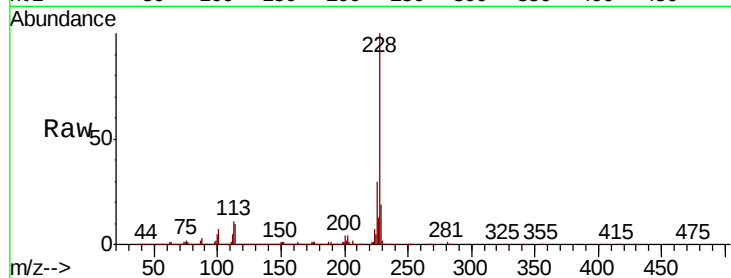
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:228 Resp: 3443331

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 29.5  | 23.8  | 35.8  |
| 229 | 19.4  | 15.7  | 23.5  |

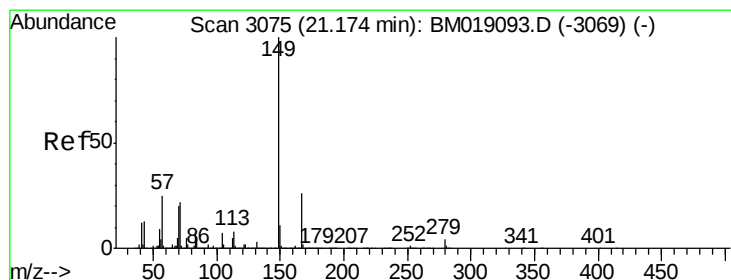
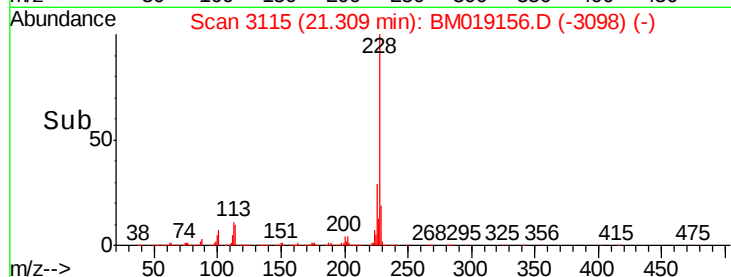
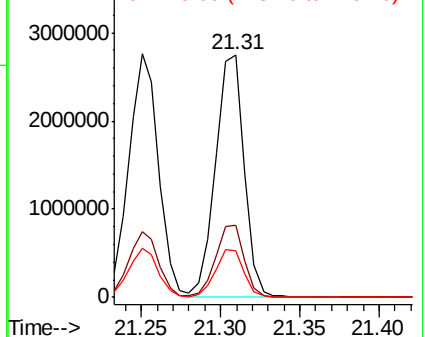


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.477 ng

RT: 21.17 min Scan# 3092

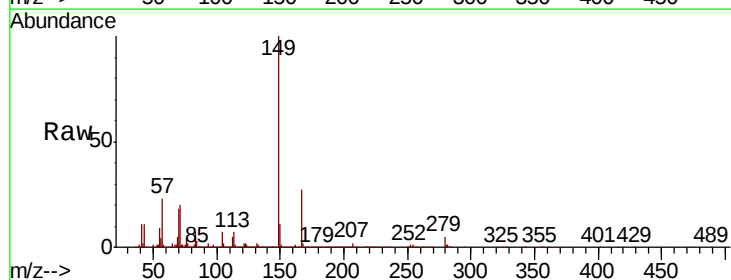
Delta R.T. 0.00 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Tgt Ion:149 Resp: 2839047

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 27.5  | 21.1  | 31.7  |
| 279 | 4.7   | 3.2   | 4.8   |

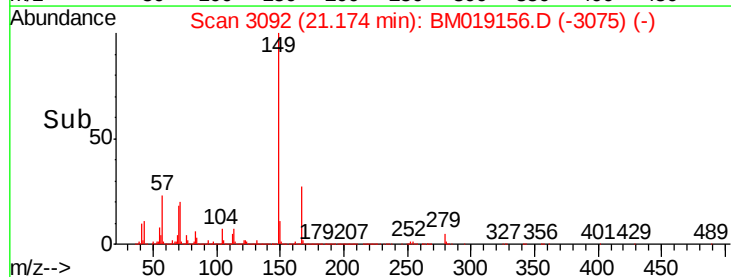
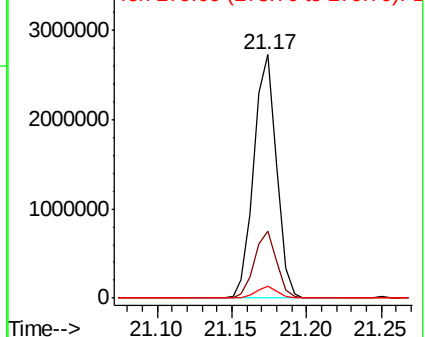


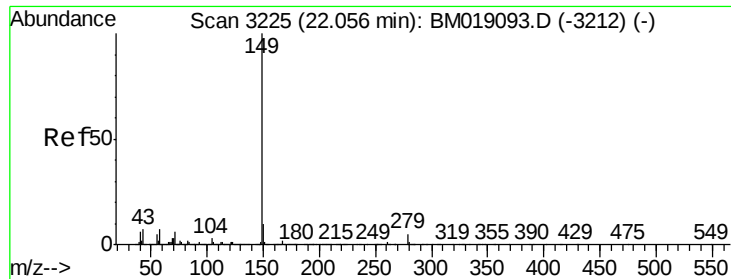
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

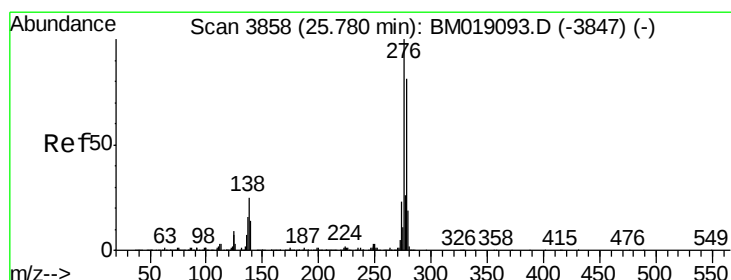
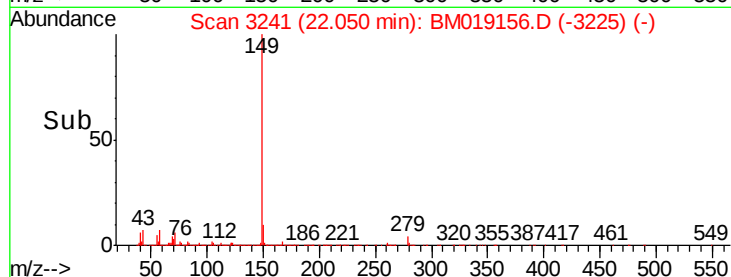
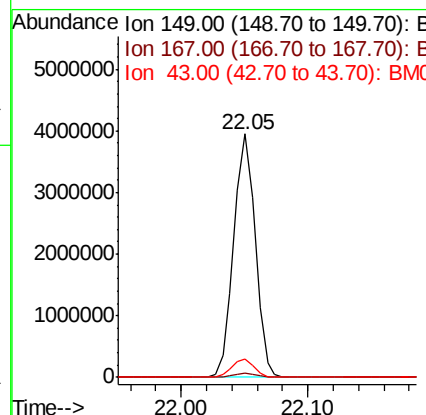
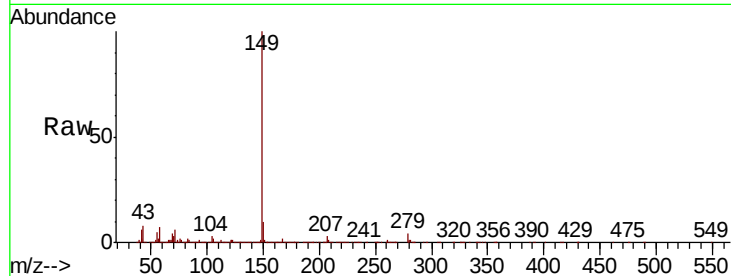




#85  
Di-n-octyl phthalate  
Concen: 52.697 ng  
RT: 22.05 min Scan# 3241  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

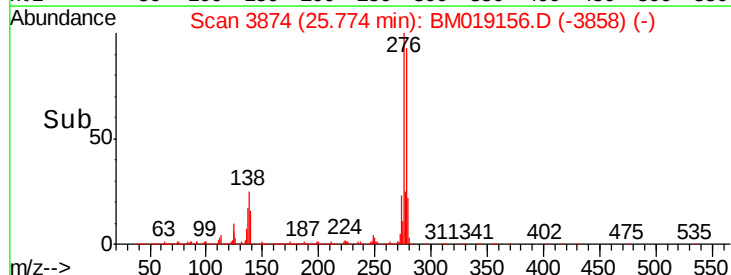
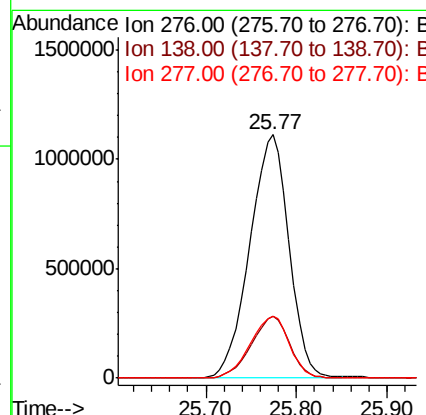
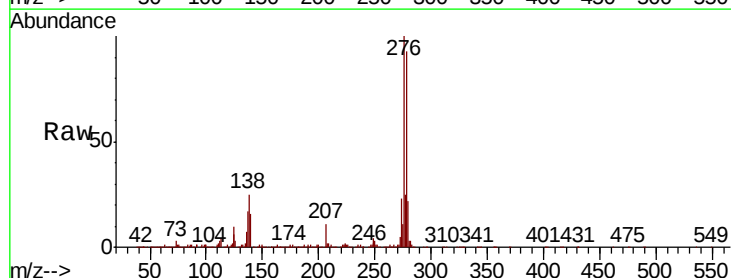
Instrument :  
BNA\_M  
ClientSampleId :

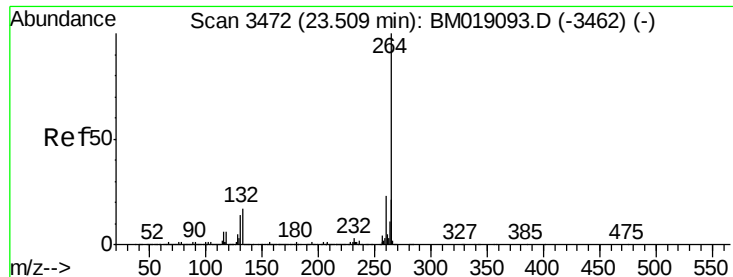
Tot Ion:149 Resp: 4624440  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 7.6 6.1 9.1



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 39.388 ng  
RT: 25.77 min Scan# 3874  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:276 Resp: 3345051  
Ion Ratio Lower Upper  
276 100  
138 24.8 19.8 29.8  
277 25.4 20.3 30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.50 min Scan# 3488

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Instrument :

BNA\_M

ClientSampleId :

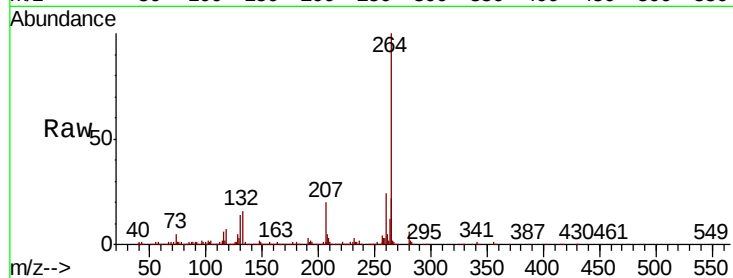
Tot Ion:264 Resp: 1102860

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.6  | 18.6  | 28.0  |
| 265 | 21.8  | 17.3  | 25.9  |

264 100

260 23.6 18.6 28.0

265 21.8 17.3 25.9

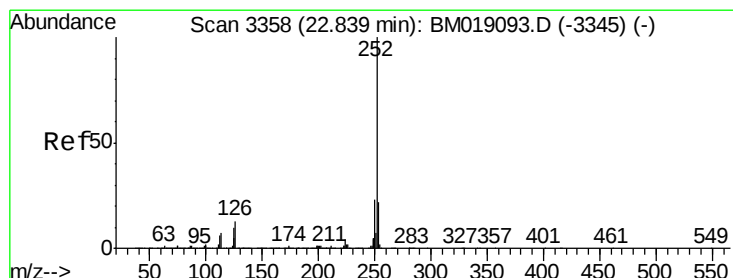
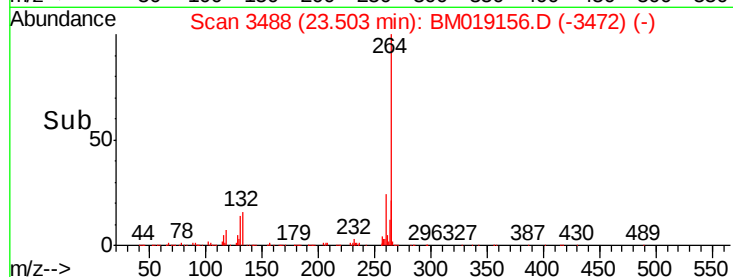
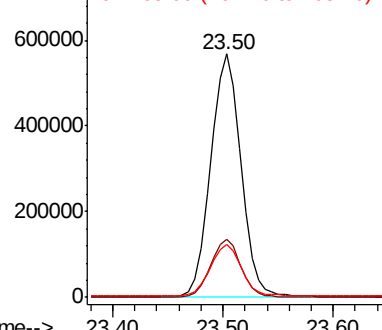


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.106 ng

RT: 22.83 min Scan# 3374

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

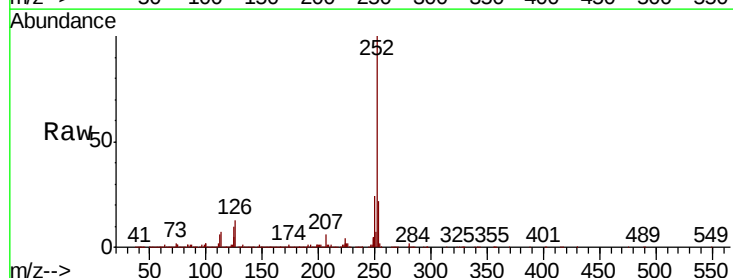
Tgt Ion:252 Resp: 3223365

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 22.0  | 17.6  | 26.4  |
| 125 | 10.3  | 8.1   | 12.1  |

252 100

253 22.0 17.6 26.4

125 10.3 8.1 12.1

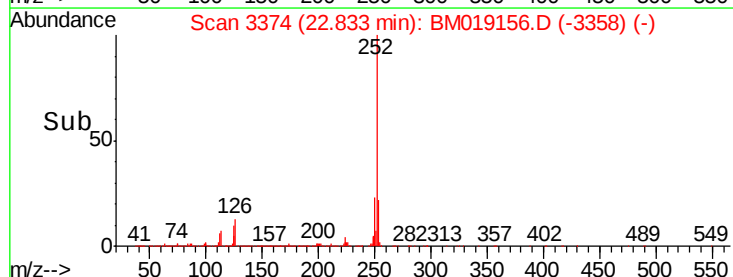
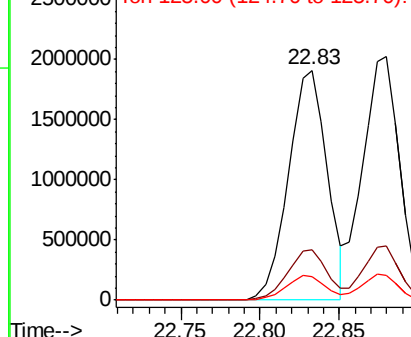


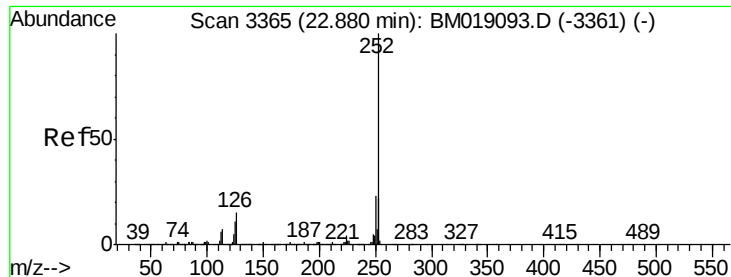
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

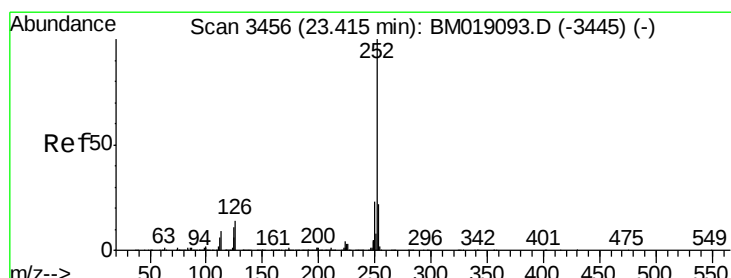
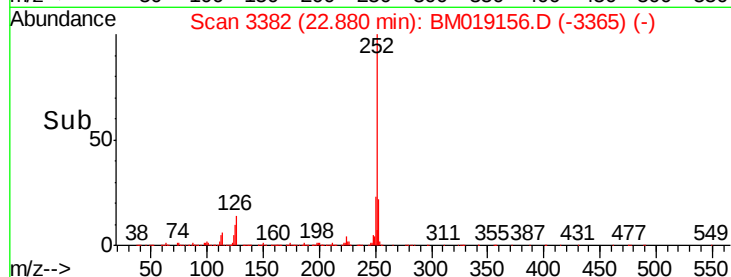
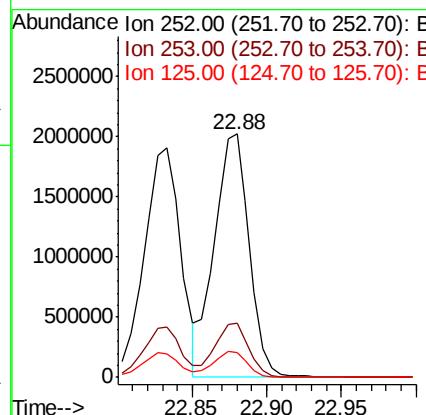
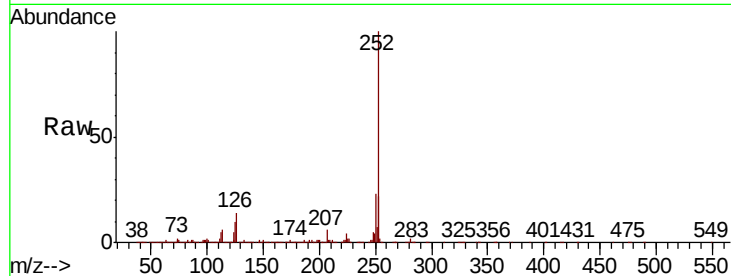




#89  
Benzo(k)fluoranthene  
Concen: 49.981 ng  
RT: 22.88 min Scan# 3382  
Delta R.T. 0.00 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

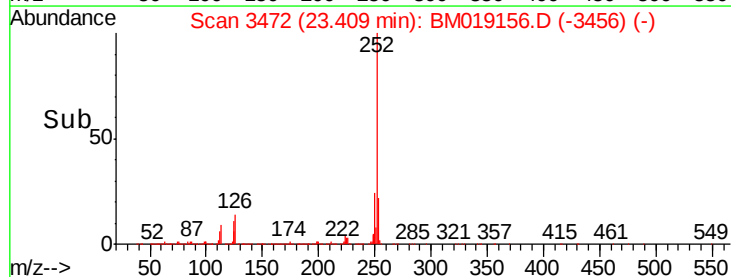
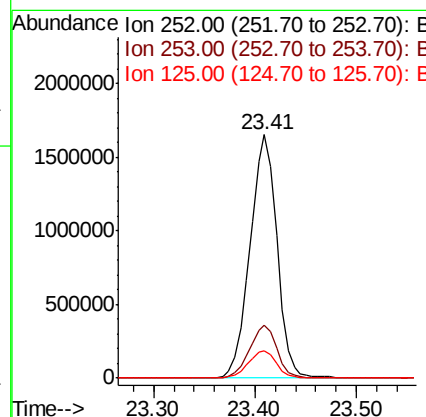
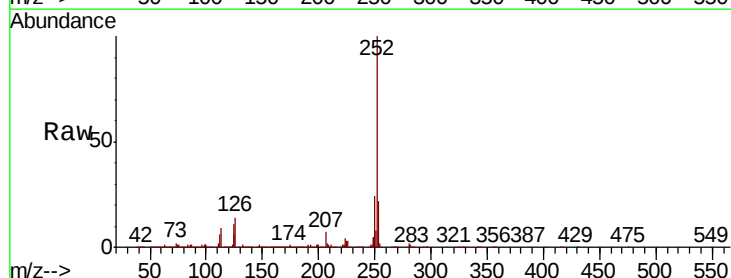
Instrument :  
BNA\_M  
ClientSampled :

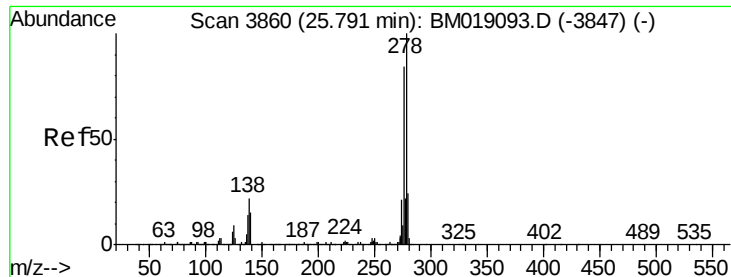
Tot Ion:252 Resp: 3285209  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.6 26.4  
125 10.1 8.8 13.2



#90  
Benzo(a)pyrene  
Concen: 47.418 ng  
RT: 23.41 min Scan# 3472  
Delta R.T. -0.01 min  
Lab File: BM019156.D  
Acq: 13 Mar 2019 21:19

Tgt Ion:252 Resp: 3045264  
Ion Ratio Lower Upper  
252 100  
253 21.9 17.4 26.2  
125 11.2 9.2 13.8





#91

Dibenzo(a,h)anthracene

Concen: 46.561 ng

RT: 25.78 min Scan# 3875

Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

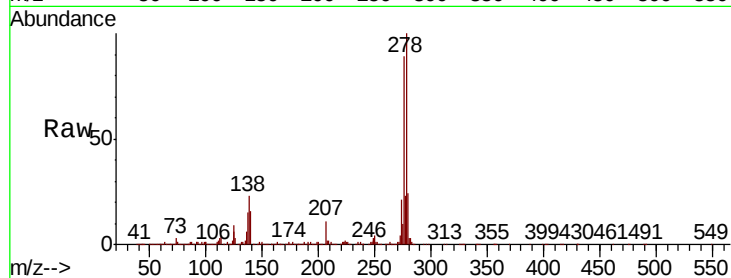
Instrument :

BNA\_M

ClientSampleId :

Tot Ion:278 Resp: 2860405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 278 | 100   |       |       |
| 139 | 16.0  | 12.3  | 18.5  |
| 279 | 23.5  | 18.9  | 28.3  |

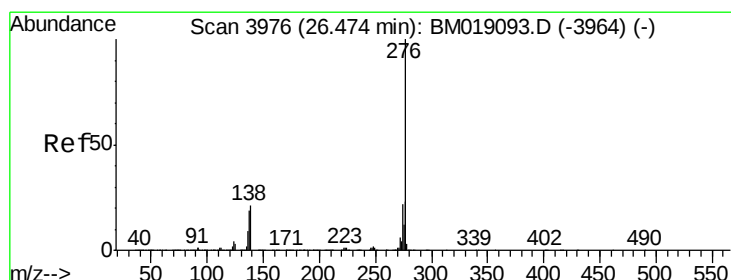
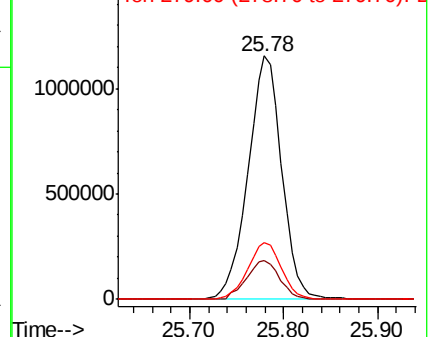
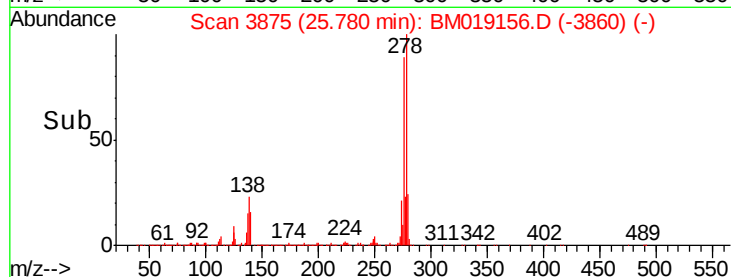


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 47.203 ng

RT: 26.47 min Scan# 3992

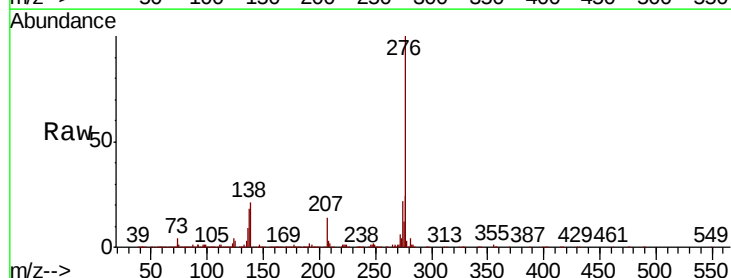
Delta R.T. -0.01 min

Lab File: BM019156.D

Acq: 13 Mar 2019 21:19

Tgt Ion:276 Resp: 2662351

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 277 | 23.8  | 18.8  | 28.2  |
| 138 | 21.0  | 17.0  | 25.4  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

